

All India Mock for IBPS Clerk Mains 2022 (04-Oct.-2022) - Questions & Solutions

Q1. Who has been appointed as India's next ambassador to Thailand and will replace the incumbent ambassador Suchitra Durai?

- (a) Taranjit Singh Sandhu
- (b) Ajay Bisaria
- (c) Pradeep Kumar Rawat
- (d) Rudrendra Tandon
- (e) Nagesh Singh

Q2. As per the latest SBI Eco wrap report, India's gross domestic product (GDP) growth rate in the April-June quarter of the ongoing fiscal is expected at ____.

- (a) 11.9%
- (b) 16.2%
- (c) 15.7%
- (d) 14.2%
- (e) 18.3%

Q3. The government of India has released a special commemorative postage stamp to mark which birth anniversary of Pingali Venkayya, the designer of India's national flag?

- (a) 145th
- (b) 146th
- (c) 147th
- (d) 148th
- (e) 149th

Q4. Vijay Kumar Yadav won bronze medal for India in which game at the 2022 Commonwealth Games in Birmingham?

- (a) Archery
- (b) Shooting
- (c) Weightlifting
- (d) Judo
- (e) Boxing

Q5. National Association of Software and Services Companies (NASSCOM) has partnered with Investment NSW, to attract investments for IT companies. Investment NSW is based in which country?

- (a) Canada
- (b) USA
- (c) Australia
- (d) South Korea
- (e) None of the above

Q6. Central Electricity Regulatory Commission has approved the third power exchange of India i.e., Hindustan Power Exchange Ltd (HPX). The exchange is promoted by PTC India Ltd, Bombay Stock Exchange and -

- (a) Axis Bank
- (b) HDFC Bank
- (c) CSB Bank
- (d) ICICI Bank
- (e) DCB Bank

Q7. Which state has celebrated the 'Sao Joao' festival, the feast of St John the Baptist?

- (a) Assam
- (b) Mizoram
- (c) Meghalaya
- (d) Goa
- (e) Nagaland



Q8. Madhya Pradesh wrote history as they won their maiden Ranji Trophy title by beating tournament heavyweights Mumbai by 6 wickets in the final at the M.Chinnaswamy Stadium. The stadium is located in which of the following city?

- (a) Bengaluru
- (b) Hyderabad
- (c) Vishakhapatnam
- (d) Amravati
- (e) Ahmedabad

Q9. All banks, ATM networks, and White label ATM Operators (WLAO) may provide the option of ICCW at their ATMs. Expand the term "W" in ICCW-

- (a) Way
- (b) Withdrawn
- (c) Withdraw
- (d) Withdrawal
- (e) World

Q10. In May 2022, RBI announced the results of its First Global Hackathon - HARBINGER 2021. What was the theme of the Hackathon?

- (a) Peer to Peer payment
- (b) Extopays
- (c) Global Hackathon
- (d) Smarter Digital Payments
- (e) NeoEyed

Q11. World Health Day is a global health awareness day celebrated every year on 7 April, under the auspices of the World Health Organization. What is the theme of World Health Day in the year 2022?

- (a) Take care of your health for Yourself
- (b) Build a fairer, healthier world for everyone
- (c) To support nurses and midwives
- (d) Universal Health Coverage: Everyone, Everywhere
- (e) Our Planet, Our Health

Q12. Who is the author of the book, "The Maverick Effect: The Inside Story of India's IT Revolution"?

- (a) Geetanjali Shree
- (b) Rijula Das
- (c) Kuldip Nayar
- (d) Harish S Mehta
- (e) Ratan Tata

Q13. Manoj Soni has been appointed as the chairman of the Union Public Service Commission and replaced previous UPSC chairman Pradip Kumar Joshi. In which year, UPSC was set up?

- (a) 1920
- (b) 1926
- (c) 1936
- (d) 1946
- (e) 1924

Q14. Which armed forces organised a joint exercise "Suraksha Kavach 2" with Maharashtra Police to counter any terrorist actions in Pune?

- (a) Assam Rifles
- (b) Indian Air Force
- (c) Indian Coast Guard
- (d) Indian Army
- (e) National Security Guard

Q15. Stephen Wilhite, the creator of the Graphics Interchange Format (GIF) format passed away at the age of 74 years due to Covid-19 related issues. Stephen Wilhite belonged to which country?

- (a) Britain
- (b) France
- (c) America
- (d) Russia
- (e) Germany

Q16. Ministry of Finance has set up how many members committee, under the chairmanship of former SEBI chairman M Damodaran, to suggest ways for scaling up of Venture Capital/Private Equity investments in India?

- (a) 5
- (b) 6
- (c) 7
- (d) 8
- (e) 9

Q17. India has assumed the Presidency of G20 for one year with effect from Dec 1, 2022. G20 was formed in which of the following year?

- (a) 1995
- (b) 1996
- (c) 1997
- (d) 1998
- (e) 1999

Q18. Which state has decided to develop one Sanskrit-speaking village in each of the 13 districts in the state?

- (a) Uttarakhand
- (b) Haryana
- (c) Punjab
- (d) Himachal Pradesh
- (e) Uttar Pradesh

Q19. The Reserve Bank of India fined the Indian Bank a total of _____ for failing to submit a Flash Report for frauds involving amounts of at least Rs. 5 crores to the RBI as required by Section 47A(1)(c) of the Banking Regulation Act, 1949-

- (a) Rs 30 Lakh
- (b) Rs 32 Lakh
- (c) Rs 36 Lakh
- (d) Rs 40 Lakh
- (e) Rs 45 Lakh

Q20. NACH's APB System which is developed by NPCI has been helping the Government and Government Agencies in making the Direct Benefit Transfer scheme a success. Expand the term "B" in APB-

- (a) Books
- (b) Bills
- (c) Banking
- (d) Bridge
- (e) Benefit

Q21. Tokyo Olympian Deepak Punia won a bronze medal after defeating MaksatSatybaldy (Kyrgyzstan) in the 86kg freestyle weight category at the U23 Asian wrestling championships 2022. It was held in which of the following country?

- (a) UAE
- (b) South Africa
- (c) Japan
- (d) Kazakhstan
- (e) Kyrgyzstan

Q22. Which country has conducted its first successful satellite launch using the domestic rocket 'Nuri'?

- (a) France
- (b) Japan
- (c) Brazil
- (d) China
- (e) South Korea

Q23. Which bank has been awarded the global 'Celent Model Bank' award under the category - 'Payments System Transformation' for building a best-in-class Enterprise Payments Hub (EPH)?

- (a) Indian Bank
- (b) Kotak Mahindra Bank
- (c) IndusInd Bank
- (d) Axis Bank
- (e) ICICI Bank

Q24. On which day World Voice Day is observed globally every year to bring cognizance about the need of preventing vocal issues and rehabilitating people with vocal problems?

- (a) March 6
- (b) March 16
- (c) April 6
- (d) April 16
- (e) April 26

Q25. Which consumer durable brand has endorsed former Indian cricket team captain and current Board of Control for Cricket in India President, Sourav Ganguly as the Brand Ambassador for markets in the eastern part of India?

- (a) Blue Star
- (b) Lloyd
- (c) LG
- (d) Voltas
- (e) Hitachi

Q26. India emerged as the _____ largest billionaire-producing nation in the world, according to the 2022 M3M Hurun Global Rich List, published by research and luxury publishing group Hurun India in association with realty firm M3M.

- (a) 2nd
- (b) 3rd
- (c) 4th
- (d) 5th
- (e) 6th

Q27. Former Indian cricketer Suresh Raina has been awarded the prestigious 'Sports Icon' award at the _____ Sports Awards 2022.

- (a) Bangladesh
- (b) Sri Lanka
- (c) Australia
- (d) Zimbabwe
- (e) Maldives

Q28. Which company topped the list “Global Powers of Retailing 2022: Resilience Despite Challenges” prepared by the global consulting firm Deloitte?

- (a) Amazon
- (b) Walmart
- (c) Reliance Retail
- (d) Coupang
- (e) Wayfair Inc

Q29. The recently launched Retail Direct Scheme by the Reserve Bank of India will be instrumental in channelising the savings of the middle class, small businessmen, and senior citizens directly into risk-free government securities (G-Secs). Retail Direct Scheme was launched in which year?

- (a) 2015
- (b) 2016
- (c) 2019
- (d) 2020
- (e) 2021

Q30. The lending outstanding by cooperative banks in the call money market shall not exceed____ of aggregate deposits of the previous year on daily basis?

- (a) 1%
- (b) 2%
- (c) 3%
- (d) 4%
- (e) No limit

Q31. Jharkhand Government agreed to the proposal for granting ____ reservation in state government jobs for the SC, ST, Backward Classes, and OBC and further economically weaker sections.

- (a) 34%
- (b) 56%
- (c) 67%
- (d) 77%
- (e) 82%

Q32. Which of the following national football teams won the SAFF U-17 Championship Title in Colombo in September 2022?

- (a) Nepal
- (b) India
- (c) Bangladesh
- (d) Malaysia
- (e) Indonesia

Q33. Which film bagged the "Best Film award" at the Indian Film Festival of Melbourne (IFFM) 2022?

- (a) 83
- (b) Sardar Udham
- (c) Tanha Ji
- (d) Thappad
- (e) Ludo

Q34. Rollapadu Wildlife Sanctuary is Known primarily as a habitat of the great Indian bustard, the species has suffered a drastic fall in its numbers in the sanctuary in recent years. Rollapadu Wildlife Sanctuary is in which state?

- (a) Tamil Nadu
- (b) Andhra Pradesh
- (c) Assam
- (d) Karnataka
- (e) Telangana

Q35. Ministry of Women and Child Development issues Detailed Guidelines for ‘Mission Shakti’ aimed at Strengthening Interventions for Women’s Safety, Security and Empowerment. Which of the following statement is correct as per the Mission Shakti?

(A) The Government of India has launched 'Mission Shakti' during the 15th Finance Commission period 2021-22 to 2025-26.

(B) ‘Mission Shakti’ has two sub-schemes - 'Sambal' and 'Samarthya'. While the "Sambal" sub-scheme is for the safety and security of women, the "Samarthya" sub-scheme is for the empowerment of women.

(C) The norms of ‘Mission Shakti’ will be applicable with effect from 01.07.2022.

- (a) Only A
- (b) Only C
- (c) Both A & B
- (d) Both A & C
- (e) All are correct

Q36. Which International Organisation recently signed a Memorandum of Understanding with the Govt of Singapore to promote investments in the Asia and Pacific region?

- (a) International Monetary Fund
- (b) World Trade Organisation
- (c) Asian Development Bank
- (d) World Bank
- (e) New Development Bank

Q37. Which space agency is set to launch a mission called “DAVINCI Mission”?

- (a) JAXA
- (b) ISRO
- (c) NASA
- (d) Roscomos
- (e) CNES

Q38. In which Indian state, Union Finance Minister, Nirmala Sitharaman has inaugurated the National Museum of Customs and GST “Dharohar” as part of the Azadi Ka Amrit Mahotsav Iconic week?

- (a) Maharashtra
- (b) Gujarat
- (c) Karnataka
- (d) Goa
- (e) Telangana

Q39. Which among the following is the near money?

- (a) Bonds
- (b) treasury bil
- (c) Securities
- (d) All of these
- (e) None of these

Q40. Bank of Baroda has launched a new feature on its mobile banking platform for senior citizens. It is a unique digital banking platform that has been designed to provide its senior customers with a simple, smooth, and secure mobile banking experience. What is the name of this feature?

- (a) bob World for Elderly
- (b) bob World for smooth functioning
- (c) bob World Gold
- (d) bob Platform
- (e) bob World Platinum

Q41. Which actress has become the first-ever Indian brand ambassador of luxury brand Louis Vuitton?

- (a) Priyanka Chopra
- (b) Alia Bhatt
- (c) Kareena Kapoor
- (d) Deepika Padukone
- (e) Anushka Sharma

Q42. HDFC Bank, a private sector lender, has introduced _____ ‘Xpress Car Loans’, an end-to-end digital new car loan solution for both existing and non-customers-

- (a) 10-minute
- (b) 20-minute
- (c) 30-minute
- (d) 40-minute
- (e) 50-minute

Q43. Yoon Suk-yeol was sworn in as the president of which country?

- (a) Vietnam
- (b) Maldives
- (c) Bhutan
- (d) South Korea
- (e) Indonesia

Q44. Mumbai International Cruise Missile, the sea cruise terminal which will be coming up at BPX-Indira Dock in Maharashtra is expected to be commissioned by _____.

- (a) July 2023
- (b) July 2024
- (c) July 2025
- (d) July 2026
- (e) July 2027

Q45. Award-winning children’s writer and historian, Devika Rangachari has authored a new novel titled “Queen of Fire”. The novel explored the story of which lady?

- (a) Rani Lakshmibai
- (b) Arundhati Bhattacharya
- (c) Queen Elizabeth
- (d) Razia Sultan
- (e) Ahilyabai Holkar

Q46. C Rangarajan committee was recommended for

- (a) preparing the blueprint of India’s first women’s
- (b) bank poverty scale estimates in the country
- (c) Related to Small Scale Industries
- (d) Defining clear definitions of Foreign Institutional Investment (FII) & Foreign Direct Investment (FDI).
- (e) None of these

Q47. Which state ranked 2nd in the SKOCH State of Governance rankings?

- (a) Andhra Pradesh
- (b) Madhya Pradesh
- (c) Odisha
- (d) West Bengal
- (e) Kerala



Q48. The Ujjivan Small Finance Bank launched Industry's first digital onboarding facility for its micro banking customers through its 'Ujjivan SFB Assisted' app. What is the tagline of the Ujjivan SFB?

- (a) Build A Better Life
- (b) Bank of Smiles
- (c) Paise Ke Kadar
- (d) Your Door Step Banker
- (e) It's Fun Banking

Q49. India and ____ have launched a first-of-its-kind venture fund to boost the growth of start-ups.

- (a) France
- (b) Israel
- (c) USA
- (d) Germany
- (e) UAE

Q50. Which company has become the 4th Indian company to become a decacorn, with a valuation of \$10.7 billion?

- (a) Byjus
- (b) Oyo
- (c) Swiggy
- (d) Unacademy
- (e) Zomato

Directions (51-57): Read the following passage and answer the following questions. Some words are highlighted to help you answer some of the questions.

The Supreme Court on Thursday lauded the efforts of the Union government in COVID-19 management with Justice MR Shah saying "what India has done, no other country could do." While reserving judgment on the PILs which sought ex gratia for COVID-19 deaths, Justice Shah said, "Today we are very happy. There will be some solace to the persons who have suffered. We are happy that something is being done to wipe out the tears of the person who suffered. We have to take judicial notice of the fact that what India has done, no other country could do." It took an assertive Supreme Court to persuade a **reluctant** Centre, and in a welcome turn of events, families of those who died of COVID-19 are to get ex gratia financial relief of ₹50,000 per deceased individual within 30 days of submitting the necessary documents. The staggering impact of the pandemic cannot be meaningfully addressed with a token sum, but it nevertheless provides immediate succor to families that have lost breadwinners and productive members.

No other scourge in living memory has taken a toll of tens of thousands of lives in 18 months, although India has high chronic and invisible mortality due to disease and road traffic accidents. As of September 13, WHO recorded 4,45,768 COVID-19 deaths in India and 3,35,31,498 confirmed cases, indicating that the current ex gratia outlay would be of the order of ₹2,300 crores. The relief amount proposed by the National Disaster Management Authority is to be paid out of the State Disaster Response Fund, which represents a dedicated facility to deal with notified disasters, including COVID-19; State authorities will create a people-friendly claims mechanism. Fresh audits and recertification of deaths have become an important factor, given the move by several States to keep virus mortality numbers low, attribute a significant number of deaths to co-morbidities rather than the infection, and the indisputable undercounting of lives lost in the two phases of the pandemic. The ex gratia payment decision puts the issue of compensation on a sound footing and provides clarity for future cases, but the task before the States is to ensure that the process is easy, accurate and empathetic. It should be possible for such claimants to submit a simple form electronically.

More challenging will be the issue of resolving cases where the medical certification of cause of death has not acknowledged it as COVID-19. In fact, such disputes have already entered the realm of **litigation**, with families seeking judicial relief, because doctors refuse proper certification and cite underlying conditions of patients based on Government instructions. Also, the Centre must consider providing additional compensation in the future, treating COVID-19 on a par with other disasters such as cyclones, major accidents, building collapses and industrial mishaps, where the Prime Minister's National Relief Fund has been sanctioning ₹2 lakh for death and ₹50,000 for serious injury. In a positive move, the demand for the inclusion of COVID-19 cases for compensation where people took their own lives due to mental agony has been accepted. Going forward, the Centre must now quickly set up risk insurance for disasters as suggested by the XV Finance Commission, to which States will readily contribute.

Q51. Which of the following statements is/are correct based on the information provided in the given passage?

- (a) The Supreme Court praised the Union government's efforts in managing COVID-19 and providing ex gratia to COVID-19 victims.
- (b) Families of COVID-19 victims will receive ex gratia financial assistance of ₹50,000 per deceased person.
- (c) Families of COVID-19 victims will receive ex gratia financial aid within a month of submitting the relevant papers.
- (d) Only (b) and (c)
- (e) All of these

- Q52.** There is a phrase used in the sentence, "It took an assertive Supreme Court to persuade a reluctant Centre". What kind of relationship does this phrase indicate between the Supreme Court and the Central Government?
- (a) The Supreme Court and the Central government are both aggressive in their approach.
(b) The central government is hesitant and unwilling to act, whereas the Supreme Court has a confident and assertive attitude.
(c) The Supreme Court must constantly condemn the Central government for not enforcing laws.
(d) The central government is criticized for ignoring regulations and procedures.
(e) None of these

- Q53.** Why will it be more difficult to resolve the cases of COVID-19 deaths?
- (a) Because the medical certification of cause of death in some situations does not recognize it as COVID-19.
(b) The issue of settling cases would be more difficult due to the large number of families seeking court remedy.
(c) Because doctors refuse to provide required certification and mention patients' actual illnesses.
(d) All of these
(e) Only (a) and (c)

- Q54.** Which of the following inferences could be drawn from the italicized sentence mentioned in the first paragraph of the given passage?
- (a) The pandemic's catastrophic consequences can be effectively remedied with a small sum.
(b) Amounts of money alone will not be enough to solve the pandemic's devastating effects.
(c) The money also provides some instant relief to families that lost wage earner.
(d) Only (b) and (c)
(e) Only (a) and (c)

- Q55.** Which of the following statements is/are incorrect based on the information provided in the given passage?
- (a) The National Disaster Management Authority's proposed relief amount will be paid from the State Disaster Response Fund.
(b) The challenge of addressing cases where the medical certification of cause of death does not recognize COVID-19 will be more difficult.
(c) None of these
(d) COVID-19 should be treated on par with other disasters such as cyclones, severe accidents, building collapses, and industrial mishaps.
(e) In the event of severe catastrophes, the Prime Minister's National Relief Fund has sanctioned a sum of Rs 2 lakh for death and Rs 50,000 for serious injury.

- Q56.** Choose the antonym of the word **LITIGATION** from the following options.
- (a) Lawsuit
(b) Prosecution
(c) Indictment
(d) Both (a) and (c)
(e) None of these

- Q57.** Choose the synonym of the word **RELUCTANT** from the following options.
- (a) Grudging
(b) Proliferate
(c) Resistant
(d) Both (a) and (c)
(e) Only (a) and (b)

Directions (58-63): Read the following passage and answer the questions given below. Some words are highlighted to help you answer some of the questions.

As India grows more urban, the importance of effective governance and service delivery by city governments becomes central to the well-being of Indians. We hope to live in 'smart cities', where digital systems enable the use of data — generated by people living and working in the city itself — to continuously improve how the city functions. A smart city requires good data to inform decision-making. The only reliable way to get good data is to design 'smart systems' that generate such data by default. Given the complexity of our cities, and the various entities that are involved in their governance, this journey will have to be undertaken one step at a time. More precisely, it will be one function at a time, then one department at a time, finally building up to the city as a whole. A department refers to a specific administrative entity, with the **mandate** to deliver a defined set of services, and the resources it is assigned for delivering them; a function is any such set of services and the people who deliver them. A smart city is a network of smart functions and departments.

What makes a department smart? In a recent white paper, we lay out a five-level framework for assessing where a given function, department, or city stands in its journey of e-governance. This framework looks at how the department has been able to apply digital technologies across three domains — processes, human resources, and citizen-centricity — in order to work more smartly. The core insight of our paper is that even the most advanced e-governance systems stand on the foundation of a simple behavioral change: when doing their work, local

government employees have to switch from using pen and paper and records to using digital tools and systems. This is the first step in the e-governance journey. The reality in most local government offices in India is that records are kept on paper; if they do get digitized, it is as part of a post-facto data entry exercise. This creates scope for errors and manipulation. To ensure digitization, city leaders must use a combination of expectation-setting and incentives. They can demonstrate the time saved and ease of work gained when digital tools automate away record creation and retrieval.

In Andhra Pradesh, for instance, ULB employees reported saving an average of 11 hours every week after a digital system was adopted. At the same time, leaders can set phased targets for adoption of the new tools, and ensure adequate technical support and education for employees during the **transition**. These changes are reflected in the 'process' and 'human resources' levers of the framework. In implementing such changes, however, administrators must ensure that e-governance is not reduced to an exercise in performance management alone. The framework incorporates a 'citizen centricity' lever to emphasize that urban local bodies are service delivery organizations and that internal reforms have to reflect in better experience and empowerment for citizens. This is how smart cities emerge, not from the top-down, but from an organic collaboration between departments, employees, and citizens, who are simply looking to do their own jobs more effectively.

Q58. According to the information provided in the paragraph, which of the following is/are the only dependable approach to obtain good data?

- (a) Data can be used with digital systems.
- (b) Continually improve the city's operation.
- (c) Create intelligent systems that generate data by default.
- (d) Good data is required to make informed decisions.
- (e) None of these.

Q59. Which of the following statements is/are correct with reference to departments based on the information provided in the given passage?

- (a) A department is a type of administrative organisation.
- (b) Its mission is to provide a specific set of services.
- (c) In a smart city, a department is a network of smart functions.
- (d) Only (a) and (b)
- (e) Only (a) and (c)

Q60. Which of the following inferences could be drawn from the given passage?

- (a) Effective governance in urban and rural locations is compared.
- (b) Emphasis on the digital system and infrastructure of smart city.
- (c) Focus on a network of smart departments and operations.
- (d) Only (b) and (c)
- (e) All of these

Q61. Which of the following statements is/are correct with reference to 'smart city' based on the information provided in the given passage?

- (a) To make informed decisions, a smart city requires good data.
- (b) A smart city is made up of a network of smart departments and operations.
- (c) Departments, employees, and people work together organically to create smart cities.
- (d) Only (a) and (b)
- (e) All of these

Q62. Choose the most appropriate antonym of the word **TRANSITION** from the following options.

- (a) Collaboration
- (b) Intrusion
- (c) Illusion
- (d) Stagnation
- (e) None of these

Q63. Choose the most appropriate synonym of the word **MANDATE** from the following options.

- (a) Evaluate
- (b) Comprehend
- (c) Directive
- (d) Enervate
- (e) None of these

Directions (64-68): Read the following passage and answer the following questions. Some words are highlighted to help you answer some of the questions.

Wild animals are best left in their natural habitat. Even if they suffer physical deficiencies, they should be encouraged to go back to the wild, unless it is a question of their survival, the Madras High Court said on Wednesday. The observations were made while passing interim orders in a case filed against the release of Rivaldo, an elephant that was captured and treated by the Forest Department for over two months after he lost a part of his trunk, into the wild. Chief Justice Sanjib Banerjee and Justice P.D. Audikesavalu wrote: "The laws

of nature may be cruel, but they may still be beyond human intelligence. There is a rule of the survival of the fittest, and though endangered animals are sometimes taken into captivity to protect or feed them, animals are best left in the wild." The judges said Rivaldo's could be the first case in the country of an elephant being released into the wild after being kept in captivity for a long period. "There is no doubt that Rivaldo will face difficulties in the wild. But one cannot be sure that he prefers captivity than being left open in the wild, and he may make attempts to make **forays** into human settlements, but he should always be encouraged to go back to the wild unless it is a question of his survival," the judges said.

The PIL petition was filed by activist S. Muralidharan, who contended that it would be better to keep Rivaldo in an elephant camp, maintained by the Forest Department. However, after watching a video submitted by government counsel C. Harsha Raj, the judges said he could be seen drinking water, foraging, grazing and attempting to extract salts from the earth. "The obvious deficiency in his trunk comes out, as Rivaldo is now using his right foot to help create balls out of bundles of grass and balance the same against his trunk to help him to lift it to his mouth. Even while drinking water, a lot of it spills out, but according to the forest officials, Rivaldo has not shown any inclination to return to human settlements and is moving in the elephant corridors that have been restored," they wrote.

The court hoped that Rivaldo would get used to his life in the wild and that the Forest Department would keep a watch on him. It directed officials to produce another video on December 9 to show how the elephant was doing in the wild and managing his affairs. Habitat destruction decreases the number of places where wildlife can live in. **Habitat fragmentation** breaks up a continuous tract of habitat, often dividing large wildlife populations into several smaller ones. Human-caused habitat loss and fragmentation are primary drivers of species declines and extinctions. Key examples of human-induced habitat loss include deforestation, agricultural expansion, and urbanization. Habitat destruction and fragmentation can increase the **vulnerability** of wildlife populations by reducing the space and resources available to them and by increasing the likelihood of conflict with humans. Moreover, destruction and fragmentation create smaller habitats. Smaller habitats support smaller populations, and smaller populations are more likely to go extinct.

Q64. Why should wild animals be encouraged to return to the wild, despite their physical restrictions?

- (a) Because it is best to leave them in their natural environment.
- (b) Because it is a life and death situation for them.
- (c) Because wild creatures have physical limitations.
- (d) Only (a) and (c)
- (e) None of these

Q65. What do you understand by the term **habitat fragmentation** highlighted in the given passage?

- (a) The number of areas where wildlife can reside is reduced as habitats are destroyed.
- (b) It refers to the dismantling of a long stretch of habitat.
- (c) It refers to the division of a major wildlife population into multiple smaller communities.
- (d) Only (a) and (b)
- (e) All of these

Q66. Which of the following statements is/are correct based on the information provided in the given passage?

- (a) Species reductions and extinctions are primarily driven by habitat loss caused by humans.
- (b) Habitats become smaller as a result of habitat degradation and fragmentation.
- (c) Smaller habitats have a better chance of surviving.
- (d) Only (a) and (b)
- (e) Only (b) and (c)

Q67. Choose the most appropriate antonym of the word **VULNERABILITY** from the following options.

- (a) Conducive
- (b) Resiliency
- (c) Encroached
- (d) Strigger
- (e) None of these



Q68. Choose the most appropriate synonym of the word **FORAYS** from the following options.

- (a) Elude
- (b) Concile
- (c) Incursion
- (d) Tyrant
- (e) None of these

Directions (69-73): In the following questions seven sentences are given. Further, these sentences may or may not form a contextually meaningful sequence. You have to rearrange these sentences to make a contextually meaningful paragraph. The sentence (B), which has already been highlighted, would be the second sentence after rearrangement. Later, answer the follow-up questions.

A. The plea, filed by the Delhi resident, has also urged the top court to direct a court-monitored inquiry by the CBI or any other investigating agency in the matter.

B. The plea has demanded the constitution of a commission for inquiry into the alleged non-supply and non-availability of medical oxygen during the second wave.

C. The petitioner has further alleged that the non-availability of medical oxygen during the second wave of the pandemic had resulted in the death of several patients.

D. A Delhi resident has filed a plea in the Supreme Court seeking a high-level inquiry into the abnormalities during the second wave of the COVID-19.

E. The plea said medical oxygen is an essential and critical life-saving drug and its shortage had resulted in several untimely deaths in the country.

F. Therefore, it is the fundamental duty of the State to care for the health of the public at large.

G. The plea arrayed the Centre and others, including the National Disaster Management Authority and Health Departments of several States, as respondents.

Q69. Which of the following would be the correct order of sentences after rearrangement?

- (a) DBEFCAG
- (b) CBAGDEF
- (c) DBCAGEF
- (d) CBDAGEF
- (e) DBFECAG

Q70. Which of the following would be the **THIRD** sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) F

Q71. Which of the following would be the **FIRST** sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) F

Q72. Which of the following would be the **FIFTH** sentence after rearrangement?

- (a) A
- (b) G
- (c) E
- (d) D
- (e) F

Q73. Which of the following would be the **FOURTH** sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) F

Directions (74-78): In each of the following questions given below are two independent sentences containing five words highlighted in bold. These five words may or may not be in their correct position. The sentences are then followed by options with the correct combination of words that should replace each other in order to make both the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other.

Q74. (i) Indian Women put up a highly **committee (A)** performance during the first two **days (B)** of the Day-Night Test match.

(ii) Mr. Channi **told (C)** presspersons that a coordination **commendable (D)** had been constituted for better **coordination (E)** in the state.

- (a) Only (A) – (B)
- (b) Both (A)-(B) and (C)-(E)
- (c) Only (B) – (C)
- (d) No rearrangement required
- (e) Only (A) – (D)

Q75. (i) Manipur Chief Minister N. Biren Singh has **demanded (A)** out any change in leadership in the State **allegedly (B)** of the March 2022 Assembly election.

(ii) Opposition parties on Sunday **ruled (C)** a judicial inquiry into the **incident (D)** where protesting farmers were **ahead (E)** crushed by a vehicle.

- (a) Only (A) – (B)
- (b) Both (A)-(C) and (B)-(E)
- (c) Only (B) – (C)
- (d) No rearrangement required
- (e) Only (A) – (E)

Q76. (i) More than 50% voting was **registered (A)** in the municipal **landless (B)** in Gujarat's capital Gandhinagar on Sunday.

(ii) He was speaking to **reporters (C)** on the sidelines of a government program to **announce (D)** debt waiver for farm laborers and **elections (E)** farmers.

- (a) Only (A) – (B)
- (b) Both (A)-(B) and (C)-(E)
- (c) Only (B) – (E)
- (d) No rearrangement required
- (e) Only (A) – (E)

Q77. (i) The Defence Ministry of Taiwan said Beijing had **missile (A)** its record of air **intrusions (B)** for a second straight day.

(ii) North Korea has **warned (C)** the UN Security Council **against (D)** criticizing the country's isolated **broken (E)** program.

- (a) Only (A) – (B)
- (b) Both (A)-(B) and (C)-(E)
- (c) Only (B) – (C)
- (d) No rearrangement required
- (e) Only (A) – (E)

Q78. (i) Women voters **elected (A)** disappointment on Sunday after none were **voiced (B)** in Qatar's first legislative polls.

(ii) A plea has been **medical (C)** in the Supreme Court seeking a high-level **inquiry (D)** by a commission into the alleged non-supply and non-availability of **filed (E)** oxygen.

- (a) Only (A) – (B)
- (b) Both (A)-(B) and (C)-(E)
- (c) Only (B) – (C)
- (d) No rearrangement required
- (e) Only (A) – (E)

Directions (79-81): In the following questions, there are five words given for each question. These words have been numbered as (i), (ii), (iii), (iv) and (v). Find the correct combination of the words that form the synonyms of each other from the given options.

Q79.

- (i) Relaxation
 - (ii) Escalation
 - (iii) Upsurge
 - (iv) Convict
 - (v) Abandon
- (a) (i)-(iii)
 - (b) (ii)-(iv)
 - (c) (i)-(v)
 - (d) (ii)-(iii)
 - (e) (iv)-(v)

Q80.

- (i) Mitigate
 - (ii) Chaos
 - (iii) Denounce
 - (iv) Commotion
 - (v) Assertive
- (a) (i)-(iii)
 - (b) (ii)-(iv)
 - (c) (i)-(v)
 - (d) (ii)-(iii)
 - (e) (iv)-(v)

Q81.

- (i) Profound
 - (ii) Induce
 - (iii) Rectify
 - (iv) Elusion
 - (v) Intense
- (a) (i)-(iii)
 - (b) (ii)-(iv)
 - (c) (i)-(v)
 - (d) (ii)-(iii)
 - (e) (iv)-(v)

Q82. In the following questions, few contextually meaningful sentences of a paragraph are given in each question. Among the given sentences, there is an incoherent sentence that doesn't form any contextuality with the paragraph. Choose the incoherent sentence as your answer.

- (a) Delhi University will start admissions to undergraduate courses from Monday.
- (b) The students can apply on the portal where they had submitted their application forms.
- (c) Colleges will soon complete approvals for admissions against the first cut-off.
- (d) The COVID-19 pandemic has affected the education system throughout the world.
- (e) Candidates must recheck their marks and eligibility criteria before applying for admission.

Q83. In the following questions, few contextually meaningful sentences of a paragraph are given in each question. Among the given sentences, there is an incoherent sentence that doesn't form any contextuality with the paragraph. Choose the incoherent sentence as your answer.

- (a) Flooding in Delhi could be due to floods in the Yamuna or local rainfall.
- (b) Many parts of Delhi get waterlogged during the monsoon.
- (c) Waterlogging causes traffic snarls even with an hour's rainfall.
- (d) The main problem is related to the city's stormwater drains.
- (e) The Delhi government made the submission while responding to a petition.

Q84. In the following questions, few contextually meaningful sentences of a paragraph are given in each question. Among the given sentences, there is an incoherent sentence that doesn't form any contextuality with the paragraph. Choose the incoherent sentence as your answer.

- (a) Meanwhile, the COVID-19 positivity rate stood at 0.07%.
- (b) The Delhi government has allowed offline classes from Monday.
- (c) The Capital reported 33 cases of COVID-19 and zero death in a day.
- (d) Delhi has recorded only one death due to COVID-19 in October so far.
- (e) Over 14.13 lakh patients have recovered from the COVID-19 disease.

Q85. In the following questions, few contextually meaningful sentences of a paragraph are given in each question. Among the given sentences, there is an incoherent sentence that doesn't form any contextuality with the paragraph. Choose the incoherent sentence as your answer.

- (a) The 13th round of discussions between Indian and Chinese military commanders is set to take place soon.
- (b) The discussion will be convened to continue the search for a solution to the LAC situation.
- (c) India has imposed anti-dumping duties on Chinese products to compensate for the harm caused to the domestic industry.
- (d) A question about new border management protocols was recently answered by the Chinese Foreign Ministry.
- (e) Because of the LAC situation, Beijing and New Delhi have had heated discussions.

Q86. In the following questions, few contextually meaningful sentences of a paragraph are given in each question. Among the given sentences, there is an incoherent sentence that doesn't form any contextuality with the paragraph. Choose the incoherent sentence as your answer.

- (a) Afghanistan's strategic location has for a long time been touted as a competitive advantage for the country.
- (b) Afghanistan desperately needs financial assistance from the international community.
- (c) Several billion dollars' worth of Afghan government funds have now been frozen by the U.S. Federal Reserve.
- (d) Western countries are not likely to provide any financial assistance to the Taliban regime.
- (e) The Taliban government has no money to pay salaries or get the machinery moving.

Directions (87-90): The upcoming questions are divided into two parts where every part contains two different questions. A sentence that is in its jumbled form and divided into different pieces is given in each part. One of these jumbled pieces of the given sentences may or may not have an error. Read the sentences mentioned in each part and then answer the given questions.

Q87. (Part I): many well-known educationists across the country have said the Union Education (A) /cut-off for students seek admission in various undergraduate courses (B)/ Ministry must find an alternative to boost the morale of the students (C)/ after several colleges affiliated to Delhi University (DU) declared 100 percent (D)

Which of the following would be the correct rearrangement of the jumbled pieces of the given sentence?

- (a) CABD
- (b) DBAC
- (c) ACBD
- (d) DACB
- (e) ADBC

Q88. (Part I): many well-known educationists across the country have said the Union Education (A)/ cut-off for students seek admission in various undergraduate courses (B) /Ministry must find an alternative to boost the morale of the students (C) /after several colleges affiliated to Delhi University (DU) declared 100 percent (D)

Which one of the jumbled pieces of the given sentence has an error?

- (a) C
- (b) D
- (c) B
- (d) A
- (e) No Error

Q89. (Part II): committee (MPC) of the Reserve Bank of India would also **(A)**/ crisis and rising motor fuel prices **(B)** /evaluate inflation risks arising out of the global energy **(C)** /an ET poll of 24 banks showed that the monetary policy **(D)**

Which of the following would be the correct rearrangement of the jumbled pieces of the given sentence?

- (a) DMCA
- (b) CBDA
- (c) ACBD
- (d) DACB
- (e) BCAD

Q90. (Part II): committee (MPC) of the Reserve Bank of India would also **(A)** /crisis and rising motor fuel prices **(B)**/ evaluate inflation risks arising out of the global energy **(C)**/ an ET poll of 24 banks showed that the monetary policy **(D)**

Which one of the jumbled pieces of the given sentence has an error?

- (a) B
- (b) A
- (c) D
- (d) C
- (e) No Error

Directions (91-95): Study the information carefully and answer the questions given below.

Eight persons are living on eight different floors of an eight-floor building, in such a way ground floor is numbered as 1 and the top floor is numbered as 8. Each of them is different ages i.e. 15, 17, 18, 25, 27, 37, 49 and 64 but not necessarily in the same order.

The one whose age is a perfect square of odd number lives on the 4th floor. S lives on the 6th floor. One person lives between S and Q. The difference between the age of U and R is 10 years. Neither U nor R's age is a prime number. Five persons live between V and X who does not live above T. Q is not 49 years old. Two persons live between P and T whose age is a prime number. T does not live just

above and just below the floor on which the one whose age is 49 years lives. V's age is a perfect square of the even number. The sum of age of S and the one who lives on the 3rd floor is 64 years. Q's age is not less than 20years. U's age is more than X and less than T. P's age is less than X.

Q91. What is the difference between the ages of the persons who live odd number floors above U?

- (a) 35year
- (b) 47year
- (c) 40year
- (d) 31year
- (e) None of these

Q92. How many persons are older than the person who lives on the second floor?

- (a) One
- (b) None
- (c) Four
- (d) Three
- (e) Two

Q93. Which of the following statement is not true about P?

- I. P's age is a prime number and lives on an odd number floor
- II. More than two persons live between P and the one who is third oldest
- III. P is 33years younger than S

- (a) Only I
- (b) Both I and III
- (c) Only III
- (d) Both II and III
- (e) All are true

Q94. What is the age of the one who lives on the 6th floor?

- (a) 49years
- (b) 25years
- (c) 37years
- (d) 18years
- (e) None of these

Q95. The number of persons live above the one who is second oldest is the same as the number of persons live below ____?

- (a) X
- (b) T
- (c) U
- (d) R
- (e) None of these

Directions (96-100): There are two rows given and to find out the resultant of a particular row we need to follow the following steps:

Step 1: If an odd number is followed by an even number then the resultant will be the addition of both the numbers.

Step 2: If an even number is followed by a perfect square (excluding 1) then the resultant will be the positive difference of that square number and the even number.

Step 3: If an even number is followed by another even number (but not a perfect square) then the resultant will be the addition of both the numbers.

Step 4: If an even number is followed by an odd number (but not a perfect square) then the resultant comes by multiplying the numbers.

Step 5: If an odd number is followed by another odd number then the resultant will be the division of first number by the second number.

Q96. Find the addition of the resultant of two rows?

8	5	10
4	25	3

- (a) 52
- (b) 108
- (c) 58
- (d) 57
- (e) 56

Q97. Find the difference between the resultant of first and second row.

12	9	8
15	12	9

- (a) 8
- (b) 2
- (c) 4
- (d) 6
- (e) 5

Q98. Find the value X if the multiplication of the resultant of two rows is 26?

14	8	9
6	3	X

- (a) 7
- (b) 16
- (c) 14
- (d) 20
- (e) 5

Q99. Find the multiplication of the resultant of two rows?

4	7	36
81	9	2

- (a) 145
- (b) 124
- (c) 102
- (d) 80
- (e) 88

Q100. Find the addition of the resultant of two rows?

17	4	7
12	5	49

- (a) 27
- (b) 18
- (c) 14
- (d) 17
- (e) 23

Directions (101-103): Study the information carefully and answer the questions given below.

Point G is 5m west of point H which is 12m south of point D. Point A is 20m east of point B. Point F is 10m west of point E. Point C is 15m east of point D. Point F is 8m north of point G. Point E is 16m south of point A.

Q101. What is the direction of point G with respect to point C?

- (a) South-east
- (b) South-west
- (c) North-east
- (d) North-west
- (e) None of these

Q102. Four of the following five pairs are alike in a certain way so form a group, which of the following does not belong to that group?

- (a) B-H
- (b) A-C
- (c) D-E
- (d) G-B
- (e) B-F

Q103. What is the shortest distance between point B and point D?

- (a) $3\sqrt{123}$ m
- (b) 19m
- (c) $3\sqrt{41}$ m
- (d) 18m
- (e) None of these

Directions (104-108): Study the following information carefully and answer the questions given below:

Eight persons are going on vacation in different months i.e. January, March, April, May, June, July, August and September. Each of them likes different destinations.

P goes for vacation in the month which has even number of days and likes Paris. Three persons go between P and R. M goes in the month which has an odd number of days. Two persons go between R and the one who likes Dubai. Q goes for vacation in the month just before O. Equal number of persons go after R and before T who does not like Cairo and Santorini. M goes in the month after the one who likes Bali. The one who likes Hawaii goes in August. Same number of persons go after the one who likes Bali and before the one who likes Cairo. M does not like Cairo. Q does not go in the month which has an odd number of days. The person who likes Rome goes before the one who likes Santorini and after the one who likes Maldives. S does not go in the month which has an odd number of days. N is one of the persons.

Q104. Who among the following person likes Santorini?

- (a) S
- (b) T
- (c) The one who goes on vacation in June
- (d) The one who goes just before R
- (e) None of these

Q105. The number of persons go before M is same as the number of persons go between ____ and ____?

- (a) P and Q
- (b) M and S
- (c) O and P
- (d) T and R
- (e) None of these

Q106. The one who goes on vacation in June likes which of the following destination?

- (a) Bali
- (b) Dubai
- (c) Rome
- (d) Cairo
- (e) None of these

Q107. Who among the following goes just before M?

- (a) S
- (b) P
- (c) O
- (d) Q
- (e) None of these

Q108. Four of the following five are alike in a certain way so form a group, which of the following does not belong to that group?

- (a) N
- (b) T
- (c) M
- (d) O
- (e) S

Directions (109-110): The five-judge bench of supreme court, headed by justice Ashok Bhushan, held that the law providing for quota to the Maratha community beyond 50% violated equality and that the state failed to show any extraordinary reason why Marathas should be considered as socially and economically backward class. The bench also upheld the validity of the 102nd constitutional amendment and ruled that the Centre alone has the power to determine socially & educationally backward classes (SEBCs). It underlined that states can't have a separate list of SEBCs and the power is only with the President to notify the list of SEBCs. In determination of SEBCs, the President shall be guided by the National Commission on Backward Classes.

Q109. Which of the following are not in line with the given statement?

- (I) After the court judgement, Maratha community sit on dharna outside the CM house.
 - (II) Centre has decided to review the request made by Maharashtra government for Maratha community.
 - (III) Amid rise in covid cases, Maharashtra government has announced a 14 days lockdown in state.
- (a) Only I and II
 - (b) Only III
 - (c) Only I
 - (d) Only II and III
 - (e) None of them

Q110. I. Mumbai Police arrested 15 people from all over the state and announced section 144 for 7 days.

II. Many violent activities taken place after dharna by Maratha community outside the CM and Governor house.

Give answer

- (a) If Statement I is the cause and Statement II is its effect.
- (b) If Statement II is the cause and Statement, I is its effect.
- (c) If both the Statements I and II are independent causes.
- (d) If both the Statements I and II are effects of independent causes.
- (e) If both the Statement I and II are effects of some common causes.

Q111. How many rows are there in latest version of MS Excel?

- (a) 65536
- (b) 16,384
- (c) 1,048,576
- (d) 1,050,000
- (e) 2,001,000

Q112. To switch the slide orientation between portrait and landscape – Click _____ and select Portrait or Landscape as your requirement.

- (a) Slide page
- (b) Slide Orientation
- (c) Slide theme
- (d) Slide number
- (e) None of these

Q113. If all the vowels of the word 'DELIGHTFUL' are replaced by its succeeding letter according to the English alphabet and all the consonants are replaced with their previous letter according to the English alphabet and then all the letters are arranged in the alphabetical order from left to right, then how many letters are there between the third letter from the left and third letter from the right in the English alphabetic series?

- (a) 6
- (b) 5
- (c) 4
- (d) 7
- (e) None of these

Directions (114-118): Study the information carefully and answer the questions given below.

Eight persons P, Q, R, S, T, U, V and W are sitting around a circular table. Some of them are facing inside the center while some are facing outside the center. Persons who face inside the center like some season and persons who face outside the center like some flower. Q sits third to the right of P and likes Lily. T sits second to the right of U. Only two persons sit between the one who likes rose and the one who likes spring season. U sits third to the left of V who is an immediate neighbour of Q. V likes winter season. T is an immediate neighbour of V and does not like flower. The one who likes monsoon season sits third to the left of P. The one who like summer season sits second to the right of the one who likes daisy. R is not an immediate neighbor of P and likes a flower. S neither likes summer nor autumn season.

Q114. Who among the following sits immediate right of the one who likes rose?

- (a) U
- (b) T
- (c) the one who likes Winter season
- (d) Q
- (e) W

Q115. How many persons sits between W and the one who likes monsoon season when counted in anticlockwise direction with respect to W?

- (a) One
- (b) Three
- (c) Two
- (d) Four
- (e) No one

Q116. Who among the following faces the one who likes spring season?

- (a) P
- (b) The one who likes summer
- (c) T
- (d) The one who likes autumn season
- (e) R

Q117. Who among the following is an immediate neighbour of both T and the one who likes Autumn?

- (a) the one who likes winter season
- (b) R
- (c) S
- (d) U
- (e) the one who likes summer season

Q118. Who among the following sits opposite to the one who sits 2nd to the right of S?

- (a) R
- (b) U
- (c) P
- (d) Q
- (e) T



Directions (119-123): Study the given information carefully and answer the given questions.

An input-output is given in different steps. Some mathematical operations are done in each step. No mathematical operation is repeated in the next step, but it can be repeated with some other mathematical operation.

INPUT:	63	72	25	81	47	46
STEP I:	18		16		21	
STEP II:		02		48		
STEP III:		02		12		
STEP IV:			10			

As per the rules followed in the steps given above, find out in each of the following questions the appropriate step for the given input.

INPUT: **39** **57** **66** **94** **82** **31**

Q119. What is the multiplication of both digits in step II?

- (a) 310
- (b) 400
- (c) 360
- (d) 320
- (e) None of these

Q120. What is the resultant if the number of the second block is subtracted from the addition of the numbers of the first and third block in step I?

- (a) 10
- (b) 15
- (c) 13
- (d) 11
- (e) None of these

Q121. What is the cube of the number which appears in the final step?

- (a) 216
- (b) 64
- (c) 27
- (d) 125
- (e) None of these

Q122. What is the addition of both the number in step III?

- (a) 20
- (b) 12
- (c) 10
- (d) 15
- (e) None of these

Q123. What is the difference between the number which is first from the left in step I and the number which is first from the right in step III?

- (a) 11
- (b) 21
- (c) 13
- (d) 17
- (e) None of these

Directions (124-125): In the following questions, the symbols %, &, #, * and @ are used with the following meaning as illustrated below-

- 'P@Q' means 'P is neither greater than nor equal to Q'
- 'P\$Q' means 'P is neither equal to nor smaller than Q'
- 'P%Q' means 'P is neither smaller than nor greater than Q'
- 'P&Q' means 'P is not smaller than Q'
- 'P*Q' means 'P is not greater than Q'

Now in each of the following questions assuming the given statement to be true, find which of the conclusions given below them is/are definitely true and give your answer accordingly

Q124. Statements:

S*X@O*U%L&P&D\$W

Conclusions:

- I. U\$W
- II. W%U
- (a) None is true
- (b) Only I is true
- (c) Only II is true
- (d) Either I or II is true
- (e) Both are true

Q125. Statements:

X*U%P@L\$T%V&M\$Q

Conclusions:

- I. L\$M
- II. U\$T
- (a) None is true
- (b) Only I is true
- (c) Only II is true
- (d) Either I or II is true
- (e) Both are true

Directions (126-128): Each of these questions is based on the following information:

- (i) K * N means K is the daughter of N.
- (ii) K @ N means K is the mother of N.
- (iii) K \$ N means K is the brother of N.
- (iv) K # N means K is the son of N.
- (v) K % N means K is the father of N.

Q126. If the expression 'U@Y\$H#J\$N%M%P' true, then which of the following is false?

- (a) N is grandmother of P
- (b) M is nephew of J
- (c) H is cousin of M
- (d) U is aunt of M
- (e) All are true

Q127. If the expression 'R@T\$E*V%B%N%D' true, then which of the following is True?

- (a) R is grandfather of N
- (b) N is nephew of T
- (c) B is daughter of V
- (d) E is uncle of D
- (e) All are true

Q128. Which of the following shows the relation that K is sister-in-law of W?

- (a) A*S@W*J\$U#K%L
- (b) A*S#K%L@W*J\$U
- (c) J\$U# A*S@W*K%L
- (d) S@ A*W\$J %L\$U#K
- (e) None of these

Directions (129-133): Study the following information carefully and answer the questions given below:

Eight persons of a family sit in a row, in such a way some are facing north while some are facing south. There are three generations and three married couples in this family.

Four persons sit between L and her son. L sits at one of the extreme ends of the row. M is granddaughter of L and sits second to the right of L. Three persons sit between M and Sister-in-law of M. P is nephew of S who is brother-in-law of O. N has only one child. Both M and S are unmarried. Q is daughter in law of R who is sister of S. R sits third to the left of Q. Both children of R is immediate neighbour of R and face the same direction. N sits third to the right of P. S is not an immediate neighbour of Q. The persons who sit extreme end facing the opposite direction. The grandfather of P does not face north. No two persons who are facing the same direction are sitting together.

Q129. Who among the following sits third to the left of Q's husband?

- (a) N
- (b) S
- (c) L
- (d) M
- (e) None of these

Q130. How many persons sit between S and his niece?

- (a) One
- (b) None
- (c) Two
- (d) Four
- (e) Three

Q131. The number of persons sit to the right of O's wife is same as the number of persons sit between ___ and ___?

- (a) L and O
- (b) S and R
- (c) N and P
- (d) M and Q
- (e) None of these

Q132. Who among the following sits third to the right of M?

- (a) P
- (b) N
- (c) L
- (d) Q
- (e) None of these

Q133. Four of the following five pairs are alike in a certain way so form a group, which of the following does not belong to that group?

- (a) L-M
- (b) S-O
- (c) P-Q
- (d) M-P
- (e) O-N

Q134. If in the number '36289643571', two is subtracted from 2nd, 4th, 6th, 8th and 10th digits from the left end and one is subtracted to rest of the digits, then all the digits are arranged in descending order from left to right within the number. How many even digits are there between third digit from the left end and second digit from the right end?

- (a) One
- (b) Two
- (c) Four
- (d) Three
- (e) None

Q135. Statement: Unless parents are in a high paying job or have an established business running, aspiring for their children to study in international schools may be an uphill task. Now, that essentially means saving up simultaneously for education and wedding and, of course, fervently hoping some money will last for your retirement after all this!

Which of the following statement strengthen the given statement?

- (a) Avoid prioritising saving for wedding over saving for education.
- (b) Taking a loan for an Ivy League school where you know you will get a job is very different from sending your child abroad for the sake of a 'foreign' degree.
- (c) Very important, you cannot entirely kill your retirement plan.
- (d) The actual way to meet most of the expenses if your child wishes to study abroad is to start saving early and save right.
- (e) Unless you have a basket of some risky market linked investments with some fixed income products, there is no way you will be able to save for education abroad.

Q136. Statement: Saving the diversity and abundance of life on the earth may cost \$100 billion a year, say scientists who have proposed a policy to prevent another mass extinction event on the planet. Scientists now estimate that society must urgently come to grips this coming decade to stop the very first human-made biodiversity catastrophe. "The Global Deal for Nature (GDN) is a time-bound, science based plan to save the diversity and abundance of life on Earth.

Which of the following can be assumed from the given statement?

- (a) The policy's mission is to save the diversity and abundance of life on the earth — for the price tag of \$100 billion a year.
- (b) Companion pact Societal investment in the GDN plan would, for the first time, integrate and implement climate and nature deals on a global scale to avoid human upheaval and biodiversity loss.
- (c) The international team of GDN scientists believe a companion pact similar to Paris Climate Agreement is desperately needed to implement the very first global nature conservation plan to meet these challenges.
- (d) Achieving the milestones and targets of the Global Deal for Nature is the best gift we can offer to future generations.
- (e) The essence of implementing the plan is to set up protected areas of land as Artificial ecosystems.

Directions (137-139): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement are sufficient to answer the question. Read both the statements and Given answer:

Q137. Five people A, H, M, R and X are sitting around a circular table, some of them facing towards the center and some are facing outside the center. In which direction H is facing?

I. R faces inside the center. X sits second to the left of R. M sits third to the right of X. Neither A nor M is the immediate neighbor of H. Both the immediate neighbors of H faces opposite direction to that of H.

II. X faces inside the center. R sits second to the right of X. H and M are not immediate neighbors.

- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) If the data even in both statements I and II together are not sufficient to answer the question.
- (e) If the data in both statement I and II together are necessary to answer the question.

Q138. How is "Red" written in the code language?

I. If 'Orange Bronze Yellow' is written as 'lit pho mib' and 'Yellow Gold Silver' is written as 'rho lit wxg' in that code language.

II. If 'Silver Orange Green' is written as 'fdx rho pho' and 'Bronze Red Gold' is written as 'wxg mib vnq' in that code language.

- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) If the data even in both statements I and II together are not sufficient to answer the question.
- (e) If the data in both statement I and II together are necessary to answer the question.

Q139. What is the shortest distance between point W and point S?

I. Adhya covered a distance of 10 km walking to the east from a point P, she then turns to her left and covered a distance of 8 km to reach at a point S. Point W is to the east of point R.

II. Adhya covered a distance of 10 km walking to the east from a point P and reach at a point Q and turns to her left and walks for another 8 km to reach at a point S. She further walks for 15 km west to reach at a point R, from where she turned back and walks for 10 km to reach at a point W.

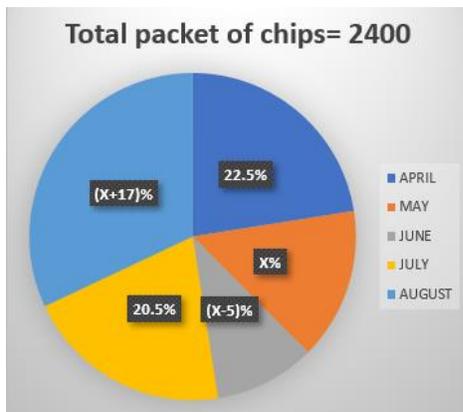
- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) If the data even in both statements I and II together are not sufficient to answer the question.
- (e) If the data in both statement I and II together are necessary to answer the question.

Q140. Which of the following is the third letter from the right end of the meaningful word formed from the 1st, 2nd, 5th and 6th letters of the word 'SUNFLOWER'. If more than one word is formed your answer will be Z and if no meaningful word is formed then answer will be Y?

- (a) Y
- (b) L
- (c) O
- (d) Z
- (e) S

Directions (141-146): Read the pie chart carefully and answer the following question.

In the given pie chart percentage distribution of production of chips packet of two different flavors Cream & Onion and Spicy Tomato are given in 5 months.



Q141. In the month of May, the production of Cream & Onion and Spicy Tomato are equal and the rate of each packet of Onion & Cream and Spicy Tomato are Rs.15 and Rs.10. Find the total revenue generated after selling 25% of Cream & Onion and 65% of Spicy Tomato. (in Rs).

- (a) 1845
- (b) 1800
- (c) 1565
- (d) 975
- (e) 1215

Q142. If the ratio of production of Cream & Onion flavor chips to that of Spicy Tomato chips in August and that in April is 7:9 and 4:5 respectively, then find the respective ratio of total number of chips produced of Cream & Onion to that of Spicy Tomato in August and April together.

- (a) 48:53
- (b) 48:61
- (c) 49:61
- (d) 98:71
- (e) 8:1

Q143. In June, the production of packet of chips of Cream & Onion is 48 more than that of Spicy Tomato. The cost of each packet of Cream & Onion is Rs.15 and the cost of each packet of Spicy Tomato is 120% of that of Cream & Onion. On selling the all packets in the month of June revenue of Rs.X is generated. Find the value of X.

- (a) 2088
- (b) 3640
- (c) 3888
- (d) 4128
- (e) 3364

Q144. In which of the following month the total packets of chips produced is more than the average number of chips packet produced in all the month.

- (a) August
- (b) July and June
- (c) April, July and May
- (d) April, July and August
- (e) May

Q145. The packet of chips produced in the month of June is what percent of chips packet produced in the month of May?

- (a) 66.66%
- (b) 33.33%
- (c) 50%
- (d) 100%
- (e) 25%

Q146. The average of packet of chips produced in the month of April and August is how much more or less than the average number of chips packet produced in the month of May, June and July?

- (a) 280
- (b) 290
- (c) 275
- (d) 295
- (e) 200

Directions (147-151): Find the wrong number in the following number series given below.

Q147. 15, 20.5, 46.5, 145, 585.5, 2933, 17603

- (a) 15
- (b) 20.5
- (c) 145
- (d) 17603
- (e) 2933

Q148. 5540, 5531, 5506, 5425, 5336, 5167

- (a) 5540
- (b) 5531
- (c) 5506
- (d) 5425
- (e) 5167

Q149. 12, 24, 56, 118, 244, 498, 1008

- (a) 12
- (b) 24
- (c) 56
- (d) 118
- (e) 244

Q150. 1, 24, 288, 1729, 5184, 7776, 5832

- (a) 1
- (b) 24
- (c) 288
- (d) 1729
- (e) 5184

Q151. 2, 13, 46, 145, 452, 1333, 4006

- (a) 4006
- (b) 1333
- (c) 452
- (d) 145
- (e) 2

Directions (152-157): Read the following table carefully and answer the following questions.

Train	Speed of train	Length of train	Time taken by train to cross the bridge
A	-----	110 m	9 sec
B	126 km/hr	-----	12 sec
C	-----	200 m	9 sec
D	108 km/hr	140 m	-----
E	90 km/hr	-----	15 sec

Note: length of bridge = 250 m

Q152. Train A and train C running in opposite direction. Find the time taken by trains to cross each other.

- (a) $7\frac{4}{9}$ sec
- (b) $3\frac{4}{9}$ sec
- (c) $12\frac{4}{9}$ sec
- (d) $9\frac{4}{9}$ sec
- (e) $6\frac{4}{9}$ sec

Q153. Find the ratio of length of train B to the length of train E.

- (a) 33:25
- (b) 37:25
- (c) 34:25
- (d) 34:23
- (e) 34:21

Q154. If speed of train F is $33\frac{1}{3}\%$ more than the speed of Train D and the time taken by train F to cross the pole is 3 times as the time taken by train D to cross the pole. Find the length of train F.

- (a) 560 m
- (b) 280 m
- (c) 300 m
- (d) 360
- (e) 400 m



Q155. If train C takes leave from the station at 6:35 am but due to the foggy weather, it reach the destination 2 hour late. If the train run at the $166\frac{2}{3}\%$ of its original speed from the station, it reached on time. Find at what time the train C will reach the final destination at original speed.

- (a) 12:35 PM
- (b) 9:35 AM
- (c) 10:35 AM
- (d) 11:35 AM
- (e) 01:35 PM

Q156. Train D leave the Nagpur station at 7:35 pm and travel a distance of 216 km to reach the Chandrapur station. Ram lives 45 km away from the Chandrapur railway station and he is travelling from car at a speed of 60 km/ hr. At what time he should leave his home to reach the station 5 min before the train.

- (a) 8:45 PM
- (b) 8:35 PM
- (c) 8: 30 PM
- (d) 8:25 PM
- (e) 8:50 PM

Q157. It takes 40 sec for train G running at the speed of 162 kmph to cross train A in same direction. If the train G crossing a tunnel in 5 sec then find the length of tunnel.

- (a) 140 m
- (b) 136 m
- (c) 120 m
- (d) 130 m
- (e) 135 m

Directions (158-159): The following questions are accompanied by two statements (I) and (II). You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

Q158. Ayush, Asif and Aman entered into a partnership. Find the amount invested by Ayush in the partnership.

I. Ratio of amount invested by Aman, Ayush and Asif is 3:6:4 respectively and Ayush invested for 8 months. Ratio of period of investment of Aman, Ayush and Asif is 6:4:3 respectively.

II. At the end of the year, profit share of Aman is Rs.1000 more than Asif and profit share of Ayush is Rs.1000 more than Aman.

- (a) Only statement I is sufficient
- (b) Only statement II is sufficient
- (c) Statement I and II both together are sufficient
- (d) Either statement I or Statement II alone is sufficient
- (e) Neither statement I nor statement II is sufficient

Q159. How many children are required to complete the work in 20 days, if efficiency of a child is 75% less than efficiency of a man?

I. (a + 3) men can complete a piece of work in (a + 8) days and (14+a) men can complete same piece of work in 50 days.

II. Efficiency of a man is 60% more than efficiency of a woman who can complete the work in 240 days

- (a) Only statement I is sufficient
- (b) Only statement II is sufficient
- (c) Statement I and II both together are sufficient
- (d) Either statement I or Statement II alone is sufficient
- (e) Neither statement I nor statement II is sufficient

Q160. A greedy milkman sells milk at cost price but mixes the water (free of cost) in it and gains a profit of $8\frac{1}{3}\%$. The quantity of water in the mixture of 635 ml is X ml. Find the value of X.

- (a) 48.84 ml
- (b) 58.84 ml
- (c) 8.84 ml
- (d) 99.84 ml
- (e) 87.84 ml

Q161. A and B together takes certain time to complete the task. A take 4 days more than time taken by A and B together to complete the task while B takes 16 days more than time taken by A and B together to complete the task. In how many days both together can complete the same task.

- (a) 4 days
- (b) 8 days
- (c) 2 days
- (d) 10 days
- (e) 16 days

Q162. A shopkeeper allows a discount of x% on marked price but charges a sale tax of 8% on discounted price. The ratio of marked price and selling price is 250:243. The new selling price if he allowed a discount of 2x% and charges same sale tax of 8% is Rs.4320, then find the marked price of the article.

- (a) Rs.5500
- (b) Rs.7500
- (c) Rs.5000
- (d) Rs.6000
- (e) Rs.4500

Directions (163-167): What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value)

Q163.

$$88.98\% \text{ of } 999.99 + 4.11\% \text{ of } 5900 - \frac{14.89\% \text{ of } 5400.09}{44.88\% \text{ of } 59.97} + \frac{9}{5} \text{ of } 24.98 = ?$$

- (a) 1285
- (b) 1171
- (c) 2143
- (d) 1141
- (e) 2080

Q164.

$$(55.05 \times 25.04 + 78.89 \times 69.98) - 89.91 \times 19.99 = ?$$

- (a) 5205
- (b) 4905
- (c) 4805
- (d) 4605
- (e) 5105

Q165.

$$12.01 \times ? = \left(\sqrt[3]{2744.14} \times \frac{195.907}{14.11} \right) + 10.11\% \text{ of } 599.99$$

- (a) 46
- (b) 32
- (c) 82
- (d) 61
- (e) 21

Q166.

$$?^3 = (89.99)^2 - (29.91)^2 + (7.024)^3 - (22.09)^2 + 122.089 - 321.99$$

- (a) 18
- (b) 19
- (c) 17
- (d) 16
- (e) 20

Q167.

$$125.11\% \text{ of } 899.97 + 19.909\% \text{ of } 299.94 - 27.02 \times 99.99 = ?$$

- (a) -1515
- (b) -1155
- (c) -5151
- (d) -1551
- (e) 1515

Directions (168-170): Study the given passage carefully and answer the following questions

A train is travelling from station A to E . At station A, 80 person board in the ratio of male to female of 9 : 7.

At station B, 15 men got down and 5 women boarded the train. At station C, half of the women got down and the same number of men boarded the train

At station D, x number of male got down and now the ratio of male to female in train is 7 : 4

Q168. If 50% of male who were travelling from B to C do not have a valid ticket and 60% of the female travelling from B to C do not have a valid ticket, then find the number of passengers who are travelling from B to C with invalid ticket?

- (a) 43
- (b) 39
- (c) 47
- (d) 49
- (e) 51

Q169. The number of females travelling from station B to C is approximately how much percent more than the number of males travelling from station D to E?

- (a) 10%
- (b) 21%
- (c) 18%
- (d) 14%
- (e) 24%

Q170. Which of the following is true?

- (A) The number of females travelling from station A to B is equal to the no. of males travelling from station D to E
 - (B) The total number of passengers travelling from Station C to D is 45% of the no. of males who boarded from the starting point
 - (C) The difference between the no. of male and female travelling from station D to E is half of the difference between the no. of males and females travelling from station C to D
- (a) Only A
 - (b) Only C
 - (c) Only A & C
 - (d) Only B & C
 - (e) All A, B and C

Q171. If 'x' men do a work in 'x-7' days while 'x+5' men can do the same work in 'x-8' days then, find the time taken by 'x-1' to complete the 2 times more work?

- (a) 15days
- (b) 13days
- (c) 12days
- (d) 8days
- (e) 10days

Q172. Train A and Train B starts its journey from Jaipur to Patna and Patna to Jaipur respectively. After Crossing each-other, time taken by Train A and Train B to reach their destination is 8 hours and 18 hours respectively. If the difference between speed of Train A and Train B is 20 kmph, then find the speed of higher speed train?

- (a) 64 kmph
- (b) 50 kmph
- (c) 56 kmph
- (d) 60 kmph
- (e) 48 kmph

Q173. A and B enter into a partnership with their capital in the ratio of 12:17. 10% of total profit obtained at the end of year is donated and 10% of rest profit is given for expenses and rest of profit is distributed in terms of their capital. If A gets Rs. 405 less than profit of B. find out the total profit?

- (a) Rs. 2800
- (b) Rs. 2750
- (c) Rs. 2900
- (d) Rs. 3200
- (e) Rs. 3000



Q174. Deepak invested Rs. 4800 into two schemes A and B at same rate of interest. But Compound interest obtained from scheme A in 2 years is Rs. 50 more than the simple interest obtained in Schemes B for 4 years. If Deepak invested the total sum at simple interest for 8 years at same rate, then interest obtained becomes equal to the investment. Find the share in scheme B?

- (a) Rs. 2600
- (b) Rs. 2000
- (c) Rs. 1800
- (d) Rs. 1600
- (e) Rs. 2400

Q175. If length, breadth and height of a cuboid is in the ratio of 3:2:1 and its volume is 2058 cm^3 then find out total surface area of Cuboid if its length, breadth and height is increased by $14\frac{2}{7}\%$, 50% and $42\frac{6}{7}\%$ respectively.

- (a) 2210 cm^2
- (b) 1908 cm^2
- (c) 2320 cm^2
- (d) 1890 cm^2
- (e) 2380 cm^2

Q176. Pankaj invested in two different schemes - P & Q and ratio of investment of Pankaj in P to that of in Q is 5:7. Scheme - P is offering $(R + 6)\%$ at SI for 6 years while scheme - Q is offering $(R - 7)\%$ at SI for 12 years. If interest received y Pankaj from scheme - P & Q together is 80% of amount invested by him in these 2 schemes together, then find $(R + 12)$?

- (a) 30
- (b) 24
- (c) 28
- (d) 35
- (e) 32

Directions (177-178): Study the following information carefully & answer the following questions.

There are two containers A and B which contain mixture of milk and water. Container A contains 400 L of mixture of Milk and Water in the ratio of x:3 and another container B contains 250 L of mixture of Milk and Water in the ratio of 3:2.

Q177. If mixtures of A and B are mixed in another empty container C such that ratio of milk to water in C becomes 8:5 then find x?

- (a) 5
- (b) 3
- (c) 8
- (d) 9
- (e) 7

Q178. If 40% of mixture A and 40% of mixture B is replaced with water and then both mixtures A & B are mixed in another empty Container D, find the quantity of milk in container D? (Use value of x obtained in que 177)

- (a) 210
- (b) 160
- (c) 240
- (d) 250
- (e) 225

Q179. A shopkeeper marked an article P% above its cost price and he allowed discount of R% on it. If shopkeeper incurred 4% loss on selling the article and ratio of discount allowed to loss incurred on article is 16:1, then find $\frac{P}{R}$.

- (a) 2.5
- (b) 1.5
- (c) 2
- (d) Cannot be determined
- (e) None of the above

Q180. Shivam donate 24% of his monthly income to NGO and from remaining he saves Rs. 16000 and remaining salary he distributes to his wife and his son. Wife get 20% more than son and son got 15% of Shivam saving. If Shivam monthly income is 70% of Veer monthly income, What is Veer yearly income?

- (a) 5.4 lakhs
- (b) 6 lakhs
- (c) 3.6 lakhs
- (d) 9.6 lakhs
- (e) 4.8 lakhs

Q181. There are two bags –P & Q (both contains two types of chocolates i.e. five star and dairy milk). Bag-P contains 5 five star and 10 dairy milk and Bag-Q contains 9 five star and 6 dairy milks. If a bag is chosen randomly and two chocolates are drawn from it randomly, then find the probability of getting at least one dairy milk?

- (a) $\frac{82}{105}$
- (b) $\frac{38}{105}$
- (c) $\frac{79}{105}$
- (d) $\frac{97}{105}$
- (e) None of the above

Q182. Series S1 contains four consecutive odd numbers and Series S2 contains four consecutive even numbers. Smallest number of series S1 is 5 less than the largest number of series S2 . What is the difference between sum of smallest numbers of both series and sum of second smallest number of both series?

- (a) 4
- (b) 6
- (c) 8
- (d) 2
- (e) None of these

Q183. Ratio of age of man to his elder son is 20 : 9 and ratio of age of wife and her younger son is 3 : 1. If difference between age of elder and younger son is 6 years (Man has only two son and no daughter) and average age of family is 26.5 year, then find the age of wife.

- (a) 24
- (b) 36
- (c) 40
- (d) 38
- (e) 28

Directions (184-186): In the following questions two quantities are given for each question. Compare the numeric value of both the quantities and answers accordingly.

Q184. Veer invests a certain sum of money at rate of 10% p.a. for 2 years on C.I while Aayush invests Rs.1500 more than that of Veer at the rate of 5% p.a. for 3 years on S.I.

Quantity I : If interest gained by Veer and Aayush are equal, then find Principal invested by Veer.

Quantity II : Rs. 3800

- (a) Quantity I > Quantity II
- (b) Quantity II > Quantity I
- (c) Quantity I \geq Quantity II
- (d) Quantity II \geq Quantity I
- (e) Quantity I = Quantity II or relation can't be established

Q185. 'x' men can do a piece of work in 8 days while 'y' women can do the same work in 12 days

Quantity I : Find the time taken by 10 man to complete whole work

Quantity II : Find the time taken by 8 women to complete whole work.

- (a) Quantity I > Quantity II
- (b) Quantity II > Quantity I
- (c) Quantity I \geq Quantity II
- (d) Quantity II \geq Quantity I
- (e) Quantity I = Quantity II or relation can't be established

Q186. The side of an equilateral triangle is 20 cm.

Quantity I : Find out the radius of circle which is inscribed in the Triangle.

Quantity II : Find out the value of $\frac{1}{3}$ rd part of its altitude.

- (a) Quantity I > Quantity II
- (b) Quantity II > Quantity I
- (c) Quantity I \geq Quantity II
- (d) Quantity II \geq Quantity I
- (e) Quantity I = Quantity II or relation can't be established

Directions (187-190): Study the following information carefully and answer the questions given below.

Out of 6000 students from a college X, 20% of total students have majored in physics only, 12% have majored in chemistry only. 20% have majored in both chemistry & mathematics only. 5% of total students have majored in all three subjects together while 45% students have majored in only two subjects. In chemistry, 45% students have majored.

Q187. How many students have majored in only one subject?

- (a) 2400
- (b) 2200
- (c) 3000
- (d) 3600
- (e) 2000

Q188. How many students have majored in Mathematics as a subject?

- (a) 1080
- (b) 2520
- (c) 3600
- (d) 2700
- (e) 3300

Q189. What is the total number of students who have majored in only 2 subjects?

- (a) 1020
- (b) 2700
- (c) 1200
- (d) 3000
- (e) 2100

Q190. Students who have majored in both Mathematics & Physics only are what percent of total students who have majored in physics?

- (a) 76%
- (b) 36%
- (c) 40%
- (d) 44%
- (e) 34%



S1. Ans.(e)

Sol. Nagesh Singh has been appointed as India's next ambassador to Thailand. He will replace the incumbent ambassador Suchitra Durai.

About Thailand-

- Capital: Bangkok
- Currency: Thai baht
- Prime Minister: Prayut Chan-o-cha

About other options-

Taranjit Singh Sandhu	India's ambassador to USA
Ajay Bisaria	India's ambassador to Pakistan
Pradeep Kumar Rawat	India's ambassador to China
Rudrendra Tandon	India's ambassador to Afghanistan

S2. Ans.(c)

Sol. India's gross domestic product (GDP) growth rate in the April-June quarter of the ongoing fiscal is expected at 15.7 percent due to the low base effect and consumption boost post easing of Covid restrictions, says the latest SBI Ecowrap.

S3. Ans.(b)

Sol.

- The government of India released a special commemorative postage stamp to mark the 146th birth anniversary of Pingali Venkayya, the designer of India's national flag.
- The stamp was released by Prime Minister Narendra Modi during an event "Tiranga Utsav" organised by the Ministry of Culture at Indira Gandhi Stadium, in New Delhi.

S4. Ans.(d)

Sol. Indian judoka Vijay Kumar Yadav won bronze medal in men's 60kg judo after he beat Petros Christodoulides of Cyprus.

S5. Ans.(c)

Sol. National Association of Software and Services Companies (NASSCOM) has partnered with Investment NSW, Australia's economic development and investment attraction agency, to attract investments for IT companies. Both entities are organising roadshows in 6 cities for Indian technology companies to highlight business and investment opportunities that exist in Australia.

S6. Ans.(d)

Sol. Central Electricity Regulatory Commission has approved the third power exchange of India i.e., Hindustan Power Exchange Ltd (HPX). The exchange is promoted by PTC India Ltd, Bombay Stock Exchange and ICICI Bank. The other two power exchanges in the country are Indian Energy Exchange and Power Exchange of India Ltd. Power Exchanges provide the market participants a platform for buying-selling of power and hence manage their power portfolios efficiently.

S7. Ans.(d)

Sol. The people of Goa has celebrated the Sao Joao festival, the feast of St John the Baptist with traditional enthusiasm after a two-year coronavirus-induced gap. The festival is dedicated to Saint John the Baptist, who baptised Lord Jesus on the river of Jordan and is celebrated at the onset of monsoon. Siolim, a village in North Goa, hosts a traditional canoe parade on the occasion of Sao Joao.

About other options-

State	Festival
Assam	Majuli Music Festival
Mizoram	Chapchar Kut Festival
Meghalaya	Nongkrem Festival
Nagaland	Hornbill

S8. Ans.(a)

Sol. Madhya Pradesh wrote history as they won their maiden Ranji Trophy title, beating tournament heavyweights Mumbai by 6 wickets in the final at the M.Chinnaswamy Stadium in Bengaluru. Mumbai batter Sarfaraz Khan was crowned as the 'Man of the Tournament for his brilliant Ranji Trophy 2022 with the bat.

S9. Ans.(d)

Sol. ICCW stands for "Interoperable Card-less Cash Withdrawal".

This directive is issued under Section 10(2) read with Section 18 of the Payment and Settlement Systems Act, 2007 (Act 51 of 2007).

- All banks, ATM networks and White label ATM Operators (WLAO), may provide the option of ICCW at their ATMs.
- white label ATMs, or WLAs, are the ATMs set up and operated by a non-bank.
- NPCI will facilitate the Unified Payments Interface (UPI) integration with all banks and ATM networks.
- UPI would be used for customer authorisation in such transactions, settlement would be through the National Financial Switch (NFS) / ATM networks.

- Withdrawal limits for ICCW transactions shall be in-line with the limits for regular on-us / off-us ATM withdrawals.
- All other instructions related to Harmonisation of Turn Around Time (TAT) and customer compensation for failed transactions shall continue to be applicable.

S10. Ans.(d)

Sol.

- The Reserve Bank had launched its first global hackathon - "Harbinger 2021 - Innovation for Transformation" with the theme 'Smarter Digital Payments' in November 2021.
- The Hackathon ran in three phases with shortlisting of proposals in the first phase, solution development in the second phase followed by the final evaluation in the third phase.

S11. Ans.(e)

Sol. The theme for World Health Day 2022 is 'Our Planet, Our Health'. This year's theme aims to direct global attention toward the well-being of our planet and the humans living in it.

The World Health Organization (WHO) convened the first World Health Assembly in 1948, which called for the establishment of a "World Health Day."

The first World Health Day was held on April 7, 1950, and it has been observed on that date every year thereafter. The day's main goal is to raise awareness about a certain health topic to highlight a World Health Organization priority area of concern.

World Health Organisation Static Facts:

Headquarters: Geneva, Switzerland

Founded: 7th April 1948

Director-General: Tedros Adhanom

S12. Ans.(d)

Sol. Harish S Mehta is the author of the book, "The Maverick Effect: The Inside Story of India's IT Revolution". HarperCollins India is releasing The Maverick Effect: The Inside Story of India's IT Revolution this March. The book follows the untold story of how a band of dreamers made India the global IT leader, written by NASSCOM's founding member and its first elected chairman, Harish Mehta.

"The Maverick Effect is a definitive and authoritative biography of NASSCOM as recounted by one who led the creation of NASSCOM in 1988 and has been nurturing it like his precious child even after 33 years to the day.

About Other Options-

Authors	Books
Rajesh Talwar	The Boy Who Wrote a Constitution"
Geetanjali Shree	Tomb of Sand
Rasheed Kidwai	Leaders, Politicians, Citizens: Fifty Figures Who Influenced India's Politics
Ashwini Shrivastava	Decoding Indian Babudom

S13. Ans.(b)

Sol. Currently a Member of the Union Public Service Commission (UPSC), Dr Manoj Soni has been appointed the chairman of the country's premier government recruiting agency. He has been associated with the Swaminarayan sect's Anoopam Mission, at Mogri in Anand district, since a young age and received Diksha (initiation) as a nishkarma karmayogi (selfless worker) on Jan 10, 2020.

The Union Public Service Commission commonly abbreviated as UPSC is India's premier central recruitment agency for the recruitment of all the Group 'A' officers under the Government of India.

Established on 1 October 1926 as Public Service Commission, it was later reconstituted as Federal Public Service Commission by the Government of India Act 1935; only to be renamed as today's Union Public Service Commission after the independence.

S14. Ans.(d)

Sol. Indian Army's "Agnibaaz Division" organized a joint exercise "Suraksha Kavach 2" with Maharashtra Police at Lullanagar, Pune.

The exercise aimed to counter any terrorist actions in Pune. The exercise involved the participation of the Counter-Terrorism Task Force (CTTF) of the Indian Army, Anti-Terrorism Squad of Maharashtra Police along with Quick Reaction Teams (QRTs), Dog Squads, and Bomb Disposal Teams of both agencies.

The exercise aimed to harmonize the drills and procedures undertaken by Army and Police to counter-terrorism.

S15. Ans.(c)

Sol. Stephen Earl Wilhite was an American computer scientist who worked at CompuServe and was the engineering lead on the team that created the GIF image file format in 1987.

Stephen Wilhite passed away recently due to covid-19 related issues.

The Oxford American Dictionary named GIF the word of the year in 2012. He was honoured with a Webby Lifetime Achievement award in 2013.

S16. Ans.(b)

Sol. Ministry of Finance has set up a six-member committee, under the chairmanship of former SEBI chairman M Damodaran, to suggest ways for scaling up of Venture Capital/Private Equity investments in India.

S17. Ans.(e)

Sol. India has assumed the Presidency of G20 for one year with effect from Dec 1, 2022.

About G20-

- G20 is an international forum for governments and central bank governors
- from 20 major economies.
- The G20 aims to discuss policy pertaining to the promotion of international financial stability.
- It was founded in 1999 with the aim of studying, reviewing, and promoting high-level discussion of policy issues pertaining to the promotion of international financial stability.

About G20 Meets-

- 16th summit, 2021 – Italy
- 17th summit, 2022 – Indonesia (earlier, it was India)
- 18th summit, 2023 – India
- 19th summit, 2024 – Brazil

S18. Ans.(a)

Sol. Uttarakhand government has decided to develop one Sanskrit-speaking village in each of the 13 districts in the state. Citizens of these villages will be trained by experts to use the ancient Indian language as a medium of daily communication, Uttarakhand's Minister for Sanskrit Education.

About Uttarakhand-

- Chief Minister: Pushkar Singh Dhama
- Uttarakhand Capitals: Dehradun (Winter), Gairsain (Summer)
- Uttarakhand Governor: Lt Gen Gurmit Singh

S19. Ans.(b)

Sol. The Reserve Bank of India fined the Indian Bank a total of Rs. 32.00 lakh for failing to submit a Flash Report for frauds involving amounts of at least Rs. 5 crores to the RBI as required by Section 47A(1)(c) of the Banking Regulation Act, 1949.

S20. Ans.(d)

Sol. APB stands for 'Aadhaar Payment Bridge'.

- NACH's Aadhaar Payment Bridge (APB) System, developed by NPCI has been helping the Government and Government Agencies in making the Direct Benefit Transfer scheme a success.
- APB System has been successfully channelizing the Government subsidies and benefits to the intended beneficiaries using the Aadhaar numbers.
- The APB System links the Government Departments and their sponsor banks on one side and beneficiary banks and beneficiaries on the other hand.

S21. Ans.(e)

Sol. Tokyo Olympian Deepak Punia won a bronze medal after defeating MaksatSatybaldy (Kyrgyzstan) in the 86kg freestyle weight category at the U23 Asian wrestling championships 2022 in Bishkek, Kyrgyzstan.

S22. Ans.(e)

Sol. South Korea has successfully launched satellites into orbit with its homegrown Nuri rocket.

S23. Ans.(c)

Sol. The IndusInd bank has been awarded the global 'Celent Model Bank' award under the category – 'Payments System Transformation' for building a best-in-class Enterprise Payments Hub (EPH).

The award acknowledges the Bank's outstanding journey in creating a cloud-based central payments hub that is capable of seamlessly processing high transaction loads originating across all forms of payment instructions, and across all originating client touchpoints.

IndusInd Bank Static Facts:

Founded: 1994;

Headquarters: Mumbai, Maharashtra;

MD & CEO: Sumant Kathalia;

Tagline: We Make You Feel Richer.

S24. Ans.(d)

Sol. World Voice Day is observed globally every year on 16 April to bring cognizance about the need of preventing vocal issues and rehabilitating people with vocal problems.

This year, the motto of the voice campaign is "lift your voice", proposed by the American Academy of Otolaryngology-Head and Neck Surgery (AAO-HNS).

About Other Options-

Date	Day
March 6	CISF observed its 53rd Raising Day
March 16	National Vaccination Day • Theme- Vaccines Work for all
April 6	International Day of Sport for Development and Peace • Theme- Securing a Sustainable and Peaceful Future for All: The Contribution of Sport
April 26	World Intellectual Property Day • Theme- IP and Youth innovating for a Better Future. International Chernobyl Disaster Remembrance Day

S25. Ans.(b)

Sol. Lloyd, one of consumer durable brand of Havells India, has announced its association with former Indian cricket captain Sourav Ganguly as the Brand Ambassador for markets in eastern part of India.

As a part of the association, Sourav will endorse Lloyd range of consumer durables, through promotion, advertising and marketing.

S26. Ans.(b)

Sol. India emerged as the third-largest billionaire-producing nation in the world, according to the 2022 M3M Hurun Global Rich List, published by research and luxury publishing group Hurun India in association with realty firm M3M.

SpaceX and Tesla founder Elon Musk has bagged the top position on the list with a total net worth of \$205 billion.

Amazon.com Inc executive chairman Jeff Bezos ranked second with \$188 billion in net worth.

With a net worth of \$153 billion, Bernard Arnault, the chief executive of LVMH Moët Hennessy – Louis Vuitton SE, the world's largest luxury-goods company, ranked third.

From India, Reliance Industries Ltd (RIL) Chairman Mukesh Ambani was the only Indian to feature in the top 10 list of 2022 Hurun Global Rich List' to emerge as India's as well as Asia's richest man. Ambani occupied the ninth rank globally with a net worth of \$103 billion.

S27. Ans.(e)

Sol. Former India cricketer Suresh Raina has been awarded the prestigious 'Sports Icon' award at the Maldives Sports Awards 2022. The Maldives government felicitated Raina for his various achievements throughout his career.

Raina was nominated alongside 16 international sportspersons, including former Real Madrid player Roberto Carlos, Jamaican Sprinter Asafa Powell, former Sri Lankan captain and cricketer Sanath Jayasuriya, and Dutch football legend Edgar Davids among others.

Raina is known for aiding the Indian cricket team to its World Cup glory back in 2011 and has also won the Indian Premier League(IPL) trophy four times with the Chennai Super Kings(CSK) franchise.

He is the first Indian player to score 6000 as well as 8000 runs in a Twenty20 career and the first-ever cricketer to reach 5,000 runs in IPL. He also holds the record for scoring the most fifties in Champions League T20 history.

**S28. Ans.(b)**

Sol. According to the global consulting firm Deloitte's report titled "Global Powers of Retailing 2022: Resilience Despite Challenges", Walmart Inc., an American multinational retail corporation, topped the list based on the retail revenue growth for FY2020, followed by Amazon, Inc., Costco Wholesale Corporation, Schwarz Group, and The Home Depot, Inc.

The Indian brand, Reliance Retail, ranked 56th on the Top 250 list.

China's JD.com, Inc tops the list of companies from APAC, ranking 9th amongst the list with total revenue of around USD 94.4 billion. Japan leads the APAC region with 29 companies on the list followed by China/Hong Kong SAR (14), South Korea (5), and Australia (4).

Deloitte's Global Powers of Retailing 2022 report reviews the global economic scenario and its impact on the retailing industry. This identifies the 250 largest retailers around the world based on publicly available data for FY2020 (1 July 2020 to 30 June 2021) and analyzes their performance across geographies and product sectors. The 2022 report also offers an assessment of retailers' rising sustainability efforts.

S29. Ans.(e)

Sol.

- RBI Retail Direct Scheme was launched on 12 November 2021 as a one-stop access to facilitate investment in government securities by retail investors.
- It will be instrumental in channelising the savings of the middle class, small businessmen and senior citizens directly into risk-free government securities (G-Secs).
- Under the scheme, retail investors can open a Retail Direct Gilt (RDG) account using an online portal through which they can directly invest a minimum of ₹10,000 and maximum of ₹2 crore per security.
- The retail investors can not only place a non-competitive bid in primary issuance of all central and state government securities such as Treasury Bills and bonds but also access the secondary market through Negotiated Dealing System-Order Matching (NDS OM).

S30. Ans.(e)

Sol. There is no limit on lending outstanding of cooperative Banks in call and notice money market.

S31. Ans.(d)**Sol.**

- Jharkhand Government agreed to the proposal for granting 77 percent reservation in state government jobs for the SC, ST, Backward Classes, and OBC and further economically weaker sections.
- The chief minister of Jharkhand Hemant Soren hiked the OBC reservation to 27 percent which was earlier 14 percent. The Jharkhand Government also accepted the proposal to use the 1932 land records to determine those who are local inhabitants.

S32. Ans.(b)

Sol. In football, India clinched the SAFF under-17 Championship title, defeating Nepal 4-0 in the final in Colombo. India captain Vanlalpeka Guite was named the Most Valuable Player of the Tournament, while goalkeeper Sahil won the Best Goalkeeper awards.

S33. Ans.(a)

Sol. The winners of the 13th edition of The Indian Film Festival of Melbourne were announced recently.

While the Best Film award was bagged by Kabir Khan's 83, its star Ranveer Singh received the Best Actor trophy. Shefali Shah, who was recently seen in Netflix's Darlings, got the Best Actress award for Jalsa.

The 13th edition of the Indian Film Festival of Melbourne (IFFM) 2022 held annually in Australia, celebrates the Indian film industry by screening some of the most prominent and acclaimed films, TV shows, and web series from the country. One of the highlights of the festival is the awards night, where select awards are given to the best performers from Indian cinema and the OTT scene from the previous year.

The event hosted by Rithvik Dhanjani, the event saw big wins for Kabir Khan's sports drama 83 and its star Ranveer Singh, as well as the Prime Video web series Mumbai Diaries 26 and the film Jalsa. The two films that had the most nominations: Jai Bhim and Gangubai Kathiawadi—failed to win a single award.

S34. Ans.(b)

Sol. Rollapadu Wildlife Sanctuary is a wildlife sanctuary in the Kurnool district of Andhra Pradesh.

S35. Ans.(c)

Sol. Only statements A & B are correct. Statement C is incorrect as - The norms of 'Mission Shakti' will be applicable with effect from 01.04.2022.

Ministry of Women and Child Development has issued detailed guidelines for the 'Mission Shakti' scheme. The Government of India has launched 'Mission Shakti' - an integrated woman empowerment programme as an umbrella scheme for the safety, security and empowerment of women for implementation during the 15th Finance Commission period 2021-22 to 2025-26.

'Mission Shakti' has two sub-schemes - 'Sambal' and 'Samarthya'. While the "Sambal" sub-scheme is for the safety and security of women, the "Samarthya" sub-scheme is for the empowerment of women.

The components of the 'Sambal' sub-scheme consist of erstwhile schemes of One Stop Centre (OSC), Women Helpline (WHL), Beti Bachao Beti Padhao (BBBP) with a new component of Nari Adalats - women's collectives to promote and facilitate alternative dispute resolution and gender justice in society and within families.

S36. Ans.(c)

Sol. Asian Development Bank (ADB) President Masatsugu Asakawa and Singapore Deputy Prime Minister and Finance Minister Lawrence Wong signed a Memorandum of Understanding (MOU) to promote greater investment in the Asia and Pacific region and to recognize the importance of private sector finance as well as catalyzing public sector resources for sustainable and inclusive development.

ADB and Singapore will also cooperate in promoting the use of new technologies and innovative processes in areas such as developing livable cities, addressing the challenges of climate change, and utilizing financial technology to improve financial market efficiency. In addition, ADB and Singapore will further strengthen collaboration on digital innovation.

S37. Ans.(c)

Sol. NASA is set to launch a mission called "DAVINCI Mission".

DAVINCI stands for "Deep Atmosphere Venus Investigation of Noble gases, Chemistry and Imaging Mission". The mission will fly by Venus and explore its harsh atmosphere in 2029.

It will be the first mission to study Venus by means of both flybys and descent. Spacecraft is likely to explore layered Venusian atmosphere. It will reach Venusian surface by June 2031. The mission would capture data about Venus, that scientists are trying to measure since early 1980s.

DAVINCI spacecraft will serve as a flying chemistry lab. It can measure different aspects of atmosphere and climate of Venus. Spacecraft will take the first descent images of its highlands.

S38. Ans.(d)

Sol. Union Finance Minister, Nirmala Sitharaman has inaugurated the National Museum of Customs and GST “Dharohar” in Goa as part of the Azadi Ka Amrit Mahotsav Iconic week of the Ministry of Finance, being celebrated from June 6 to 12.

The two-storey ‘Blue building’, which was earlier known as Alfandega, during the period of Portuguese rule in Goa, has been standing on the banks of the Mandovi River in Panaji for more than 400 years.

Dharohar is one of its kind museum in the country that showcases not only the artefacts seized by Indian Customs but also depicts various aspects of work performed by the Customs Department while safeguarding the economic frontiers of the country, its heritage, flora & fauna and the society.

Goa Static Facts:

Capital: Panaji

Chief Minister: Pramod Sawant

Governor: S. Sreedharan Pillai

S39. Ans.(d)

Sol. Near money, sometimes referred to as quasi-money or cash equivalents, is a financial economics term describing non-cash assets that are highly liquid and easily converted to cash. Near money includes financial assets like treasury bill, bill of exchange, fixed deposits, bond and debentures. Money acts as the unit of account.

S40. Ans.(c)

Sol.

- Bank of Baroda (BoB) has launched ‘bob World Gold’, a new feature on its mobile banking platform for senior citizens.
- The new feature on the Bank’s ‘bob World’ mobile banking platform has easy navigation, large fonts, sufficient spacing and clear menus with added features like ready-to-assist voice based search service, according to the public sector bank’s statement.

About Bank of Baroda

- Founded: 20 July 1908
- Headquarters: Vadodara, Gujarat
- Managing Director & CEO: Sanjiv Chadha
- Tagline: India’s International Bank
- Amalgamated Banks: Dena Bank & Vijaya Bank in 2019.

S41. Ans.(d)

Sol. Actress Deepika Padukone has become the first-ever Indian brand ambassador of luxury brand Louis Vuitton.

S42. Ans.(c)

Sol. HDFC Bank, a private sector lender, has introduced 30-minute ‘Xpress Car Loans’, an end-to-end digital new car loan solution for both existing and non-customers.

The bank has integrated its lending application with automobile dealers throughout India. It is the industry’s first automotive lending experience, and it is expected to change the way automobile financing is done in India.

About HDFC Bank Ltd-

- MD & CEO: Sashidhar Jagdishan
- Establishment: 1994
- Headquarters: Mumbai, Maharashtra
- Tagline: We Understand Your World

S43. Ans.(d)

Sol. Yoon Suk-yeol was sworn in as South Korean president in a huge ceremony at Seoul’s National Assembly.

S44. Ans.(b)

Sol. The Mumbai International Cruise Terminal, the iconic sea cruise terminal coming up at BPX-Indira Dock, is expected to be commissioned by July 2024.

The terminal will have a capacity of handling 200 ships and 1 million passengers per annum. Out of the total project cost of Rs. 495 crore, Rs. 303 crores will be incurred by Mumbai Port Authority and the remaining by private operators.

The first-of-its-kind iconic sea cruise terminal in India with a total construction area of 4.15 lakh sq. ft. will have 22 Elevators, 10 Escalators, and multi-storied car parking for 300 cars. Two cruise ships will be able to berth at a time on the dock.

S45. Ans.(a)

Sol. Award-winning children’s writer and historian, Devika Rangachari has authored a new novel titled “Queen of Fire”, which explores the story of Rani Lakshmibai of Jhansi. The book focuses on the journey of Rani Lakshmibai as a queen, soldier, and statesman.

The book provides a detailed account on how the queen took over the kingdom as a widow and joined the revolutionaries to rebel against the East India Company. Devika Rangachari is a historian who has conducted post-doctoral research on gender in early medieval Indian history.

S46. Ans.(b)

Sol. The Expert Group under the Chairmanship of Dr. C. Rangarajan to Review the Methodology for Measurement of Poverty in the country constituted by the Planning Commission in June 2012 has submitted its report on 30th June 2014.

S47. Ans.(d)

Sol. West Bengal ranked 2nd in the SKOCH State of Governance rankings while Andhra Pradesh has retained its number one spot in the SKOCH State of Governance rankings for the second consecutive year.

Odisha was ranked 3, Gujarat was ranked 4, and Maharashtra was ranked 5. Neighboring Telangana was ranked 6.

S48. Ans.(a)

Sol. The tagline of Ujjivan Small Finance Bank is “Build A Better Life”.

In a first in the banking industry, over 60 lakh Ujjivan Small Finance Bank customers, including a significant majority of microfinance women borrowers, will now be able to update their mobile number for their individual banking transactions, through a new paperless, real-time and secured, OTP-based authentication followed by a biometric authentication process, instantly, via Ujjivan SFB Assisted app.

Ujjivan SFB Assisted app is designed to enable mobile number updation in real-time basis. Customers can update their mobile number once every six months through the platform and at any point in time by visiting any branch of the small finance bank, or through a field staff of the bank.

S49. Ans.(e)

Sol.

- India and UAE have launched a first-of-its-kind venture fund to boost the growth of start-ups in India and UAE.
- The fund was launched from the India Pavilion at EXPO2020 Dubai.
- Ajai Chowdhry, HCL Founder and Chairman Start-up Committee, FICCI, announced the launch of this fund.
- Funding – UAE, India, and other Gulf Cooperation Council countries.

S50. Ans.(c)

Sol.

- Swiggy has become the 4th Indian company to become a decacorn, with a valuation of \$10.7 billion.
- Decacorns are private firms or startups whose value exceeded over USD 10 billion.
- The other three companies that hold the tag already are Paytm, Oyo, and Byjus.

- Facebook was the first decacorn in the world. It earned the tag in 2007.
- Hectocorn – private companies or startups whose value is considered to be over \$100 billion.

S51. Ans.(e)

Sol. All the given options are correct based on the information provided in the given passage. Hence, option (e) is the right answer choice.

For option (a): Refer to the starting line of the first paragraph, “The Supreme Court on Thursday lauded the efforts of the Union government in COVID-19 management with Justice MR Shah saying “what India has done, no other country could do.”

For options (b) and (c): Refer to the sixth line of the first paragraph, “It took an assertive Supreme Court to persuade a reluctant Centre, and in a welcome turn of events, families of those who died of COVID-19 are to get ex gratia financial relief of ₹50,000 per deceased individual within 30 days of submitting the necessary documents.”

S52. Ans.(b)

Sol. Among the given statements, option (b) indicates the correct relationship between the Supreme Court and the Central Government based on the phrase. Hence, option (b) is the right answer choice.

S53. Ans.(d)

Sol. All the given statements are the actual causes for difficulty in resolving the cases of COVID-19 deaths. Hence, option (d) is the right answer choice. To validate the given points, refer to the first few lines of third paragraph of the passage: “More challenging will be the issue of resolving cases where the medical certification of cause of death has not acknowledged it as COVID-19. In fact, such disputes have already entered the realm of litigation, with families seeking judicial relief, because doctors refuse proper certification and cite underlying conditions of patients based on Government instructions”.

S54. Ans.(d)

Sol. Among the given options, only (b) and (c) could be drawn from the italicized sentence. While statement (a) is incorrect with reference to the information provided in italicized sentence. The italicized sentence states, “Although the pandemic's overwhelming impact cannot be adequately handled with a minimal sum, it does bring immediate relief to families who have lost earners and productive members”. Hence, option (d) is the right answer choice.

S55. Ans.(c)

Sol. None of the given statements is incorrect. Hence, option (c) is the right answer choice.

For option (a): Refer to the fourth line of the second paragraph, "The relief amount proposed by the National Disaster Management Authority is to be paid out of the State Disaster Response Fund, which represents a dedicated facility to deal with notified disasters, including COVID-19; State authorities will create a people-friendly claims mechanism."

For option (b): Refer to the first line of the third paragraph, "More challenging will be the issue of resolving cases where the medical certification of cause of death has not acknowledged it as COVID-19."

For option (d) and (e): Refer to the fourth line of the third paragraph, "Also, the Centre must consider providing additional compensation in the future, treating COVID-19 on a par with other disasters such as cyclones, major accidents, building collapses and industrial mishaps, where the Prime Minister's National Relief Fund has been sanctioning ₹2 lakh for death and ₹50,000 for serious injury."

S56. Ans.(e)

Sol. All the given words are synonyms of the word litigation meaning the process of taking legal action. Thus, none of the words forms the antonym of the given word. Hence, option (e) is the right answer choice.

(a) Lawsuit- a claim or dispute brought to a law court for adjudication.

(b) Prosecution- the institution and conducting of legal proceedings against someone in respect of a criminal charge.

(c) Indictment- a formal charge or accusation of a serious crime.

S57. Ans.(d)

Sol. Among the given options, both (a) and (c) are synonyms of the word reluctant meaning unwilling and hesitant; disinclined. While option (b) is different in meaning. Hence, option (d) is the right answer choice.

(a) Grudging- (of a person) reluctant or resentfully unwilling to give or allow something.

(b) Proliferate- increase rapidly in number; multiply.

(c) Resistant- offering resistance to something or someone.

S58. Ans.(c)

Sol. Among the given options, only sentence (c) is correct with reference to the context of the question. Hence, option (c) is the right answer choice.

Refer to the fifth line of the first paragraph, "The only reliable way to get good data is to design 'smart systems' that generate such data by default."

S59. Ans.(d)

Sol. Among the given options, only (a) and (b) are correct with reference to departments based on the information provided in the given passage. While statement (c) is incorrect as a smart city is a network of smart functions and departments. Hence, option (d) is the right answer choice.

Refer to the last lines of the first paragraph, "A department refers to a specific administrative entity, with the mandate to deliver a defined set of services, and the resources it is assigned for delivering them; a function is any such set of services and the people who deliver them. A smart city is a network of smart functions and departments."

S60. Ans.(d)

Sol. Among the given options, the inferences could only be drawn from (b) and (c). While option (a) is incorrect. Hence, option (d) is the right answer choice.

S61. Ans.(e)

Sol. All of the given statements are correct with reference to 'smart city' based on the information provided in the given passage. Hence, option (e) is the right answer choice.

S62. Ans.(d)

Sol. Among the given words, 'stagnation' is the most appropriate antonym of the given word. Hence, option (d) is the right answer choice. Transition means the process or a period of changing from one state or condition to another.

(a) Collaboration- the action of working with someone to produce something.

(b) Intrusion- the act of wrongfully entering upon

(c) Illusion- a false idea or belief.

(d) Stagnation- the state of not flowing or moving; lack of activity, growth, or development.

S63. Ans.(c)

Sol. Among the given words, 'directive' is the most appropriate synonym of the given word. Hence, option (c) is the right answer choice. Mandate means an official order or commission to do something.

(a) Evaluate- form an idea of the amount, number, or value of; assess.

(b) Comprehend- grasp mentally; understand.

(c) Directive- an official or authoritative instruction.

(d) Enervate- make (someone) feel drained of energy or vitality.

S64. Ans.(a)

Sol. Among the given statements, only option (a) is the most appropriate answer.

Refer to the starting lines of the first paragraph, "Wild animals are best left in their natural habitat. Even if they suffer physical deficiencies, they should be encouraged to go back to the wild, unless it is a question of their survival, the Madras High Court said on Wednesday."

S65. Ans.(e)

Sol. All of the given statements describe the correct meaning of the term habitat fragmentation. Hence, option (e) is the right answer choice.

S66. Ans.(d)

Sol. Among the given statements, only (a) and (b) are correct. While statement (c) is incorrect. Hence, option (d) is the right answer choice.

Refer to the concluding lines of the last paragraph, "Human-caused habitat loss and fragmentation are primary drivers of species declines and extinctions. Key examples of human-induced habitat loss include deforestation, agricultural expansion, and urbanization. Habitat destruction and fragmentation can increase the vulnerability of wildlife populations by reducing the space and resources available to them and by increasing the likelihood of conflict with humans. Moreover, destruction and fragmentation create smaller habitats. Smaller habitats support smaller populations, and smaller populations are more likely to go extinct."

S67. Ans.(b)

Sol. Among the given words, 'resiliency' is the most appropriate antonym of the given word. Hence, option (b) is the right answer choice. Vulnerability means the quality or state of being exposed to the possibility of being attacked or harmed, either physically or emotionally.

(a) Conducive- making a certain situation or outcome likely or possible.

(b) Resiliency- the capacity to recover quickly from difficulties; toughness.

(c) Encroached- intrude on (a person's territory, rights, personal life, etc.).

(d) Strigger- cause (a device) to function.

S68. Ans.(c)

Sol. Among the given words, 'incursion' is the most appropriate synonym of the given word. Hence, option (c) is the right answer choice. Forays means a sudden attack or incursion into enemy territory, especially to obtain something; a raid.

(a) Elude- escape from or avoid (a danger, enemy, or pursuer), typically in a skilful or cunning way.

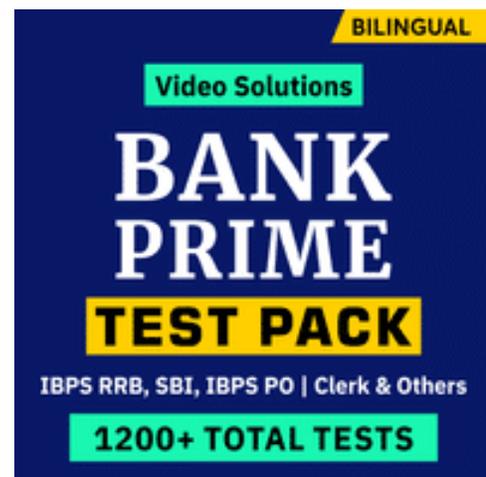
(b) Concile- meeting of people for consultation.

(c) Incursion- an invasion or attack, especially a sudden or brief one.

(d) Tyrant- a cruel and oppressive ruler.

S69. Ans.(c)

Sol. Sentence (D) will be the introductory sentence as it best presents the theme of the given paragraph. Now, it has already been highlighted in the question that sentence (B) will be the second sentence. Further, sentence (B) will be followed by sentence (C) as it further describes the argument of the petitioner that during the second wave of the pandemic, a lack of medical oxygen resulted in the deaths of several patients. Now, sentence (C) will be followed by sentence (A) as it further adds to the demands made by the petitioner. Further, sentence (A) will be followed by sentence (G) because it includes the respondents in the case. Now, sentence (G) will be followed by sentence (E) as it depicts the conclusive assertions made by the petitioner. Finally, sentence (F) will be the concluding sentence. Therefore, the correct rearrangement of the given sentences would be "DBCAGEF".



S70. Ans.(c)

Sol. Sentence (D) will be the introductory sentence as it best presents the theme of the given paragraph. Now, it has already been highlighted in the question that sentence (B) will be the second sentence. Further, sentence (B) will be followed by sentence (C) as it further describes the argument of the petitioner that during the second wave of the pandemic, a lack of medical oxygen resulted in the deaths of several patients. Now, sentence (C) will be followed by sentence (A) as it further adds to the demands made by the petitioner. Further, sentence (A) will be followed by sentence (G) because it includes the respondents in the case. Now, sentence (G) will be followed by sentence (E) as it depicts the conclusive assertions made by the petitioner. Finally, sentence (F) will be the concluding sentence. Therefore, the correct rearrangement of the given sentences would be “**DBCAGEF**”.

S71. Ans.(d)

Sol. Sentence (D) will be the introductory sentence as it best presents the theme of the given paragraph. Now, it has already been highlighted in the question that sentence (B) will be the second sentence. Further, sentence (B) will be followed by sentence (C) as it further describes the argument of the petitioner that during the second wave of the pandemic, a lack of medical oxygen resulted in the deaths of several patients. Now, sentence (C) will be followed by sentence (A) as it further adds to the demands made by the petitioner. Further, sentence (A) will be followed by sentence (G) because it includes the respondents in the case. Now, sentence (G) will be followed by sentence (E) as it depicts the conclusive assertions made by the petitioner. Finally, sentence (F) will be the concluding sentence. Therefore, the correct rearrangement of the given sentences would be “**DBCAGEF**”.

S72. Ans.(b)

Sol. Sentence (D) will be the introductory sentence as it best presents the theme of the given paragraph. Now, it has already been highlighted in the question that sentence (B) will be the second sentence. Further, sentence (B) will be followed by sentence (C) as it further describes the argument of the petitioner that during the second wave of the pandemic, a lack of medical oxygen resulted in the deaths of several patients. Now, sentence (C) will be followed by sentence (A) as it further adds to the demands made by the petitioner. Further, sentence (A)

will be followed by sentence (G) because it includes the respondents in the case. Now, sentence (G) will be followed by sentence (E) as it depicts the conclusive assertions made by the petitioner. Finally, sentence (F) will be the concluding sentence. Therefore, the correct rearrangement of the given sentences would be “**DBCAGEF**”.

S73. Ans.(a)

Sol. Sentence (D) will be the introductory sentence as it best presents the theme of the given paragraph. Now, it has already been highlighted in the question that sentence (B) will be the second sentence. Further, sentence (B) will be followed by sentence (C) as it further describes the argument of the petitioner that during the second wave of the pandemic, a lack of medical oxygen resulted in the deaths of several patients. Now, sentence (C) will be followed by sentence (A) as it further adds to the demands made by the petitioner. Further, sentence (A) will be followed by sentence (G) because it includes the respondents in the case. Now, sentence (G) will be followed by sentence (E) as it depicts the conclusive assertions made by the petitioner. Finally, sentence (F) will be the concluding sentence. Therefore, the correct rearrangement of the given sentences would be “**DBCAGEF**”.

S74. Ans.(e)

Sol. Interchanging the word ‘committee’ with ‘commendable’ will make both the sentences grammatically correct and contextually meaningful. Hence, option (e) is the right answer choice.

S75. Ans.(b)

Sol. Interchanging the words ‘demanded’ with ‘ruled’ and ‘allegedly’ with ‘ahead’ will make both the sentences grammatically correct and contextually meaningful. Hence, option (b) is the right answer choice.

S76. Ans.(c)

Sol. Interchanging the word ‘landless’ with ‘elections’ will make both the sentences grammatically correct and contextually meaningful. Hence, option (c) is the right answer choice.

S77. Ans.(e)

Sol. Interchanging the word ‘missile’ with ‘broken’ will make both the sentences grammatically correct and contextually meaningful. Hence, option (e) is the right answer choice.

S78. Ans.(b)

Sol. Interchanging the words 'elected' with 'voiced' and 'medical' with 'filed' will make both the sentences grammatically correct and contextually meaningful. Hence, option (b) is the right answer choice.

S79. Ans.(d)

Sol. Among the given words, 'escalation' and 'upsurge' are synonyms of each other. Hence, option (d) is the right answer choice.

(i) Relaxation- the state of being free from tension and anxiety.

(ii) Escalation- an increase in the intensity or seriousness of something; an intensification.

(iii) Upsurge- an upward surge in the strength or quantity of something; an increase.

(iv) Convict- a person found guilty of a criminal offence and serving a sentence of imprisonment.

(v) Abandon- give up completely (a practice or a course of action).

S80. Ans.(b)

Sol. Among the given words, 'chaos' and 'commotion' are synonyms of each other. Hence, option (b) is the right answer choice.

(i) Mitigate- make (something bad) less severe, serious, or painful.

(ii) Chaos- complete disorder and confusion.

(iii) Denounce- publicly declare to be wrong or evil.

(iv) Commotion- a state of confused and noisy disturbance.

(v) Assertive- having or showing a confident and forceful personality.

S81. Ans.(c)

Sol. Among the given words, 'profound' and 'intense' are synonyms of each other. Hence, option (c) is the right answer choice.

(i) Profound- (of a state, quality, or emotion) very great or intense.

(ii) Induce- succeed in persuading or leading (someone) to do something.

(iii) Rectify- put right; correct.

(iv) Elusion- the act of successfully hiding or escaping from someone

(v) Intense- of extreme force, degree, or strength.

S82. Ans.(d)

Sol. All the given statements except (d) are talking about admission process. Hence, option (d) is the right answer choice.

S83. Ans.(e)

Sol. All the given statements except (e) are talking about flood-related issues. Hence, option (e) is the right answer choice.

S84. Ans.(b)

Sol. All the given statements except (b) are talking about the COVID-19 pandemic. Hence, option (b) is the right answer choice.

S85. Ans.(c)

Sol. All the given statements except (c) are talking about border-related issues. Hence, option (c) is the right answer choice.

S86. Ans.(a)

Sol. All the given statements except (a) are talking about financial issues. Hence, option (a) is the right answer choice.

S87. Ans.(b)

Sol. The correct rearrangement of the jumbled pieces of the given sentence would be DBAC. Hence, option (b) is the right answer choice.

The sentence thus formed would be, "After several colleges affiliated to Delhi University (DU) declared 100 percent cut-off for students seeking admission in various undergraduate courses, many well-known educationists across the country have said the Union Education Ministry must find an alternative to boost the morale of the students."

S88. Ans.(c)

Sol. The error lies in part (b) of the sentence where 'seek' should be replaced with 'seeking'. Hence, option (c) is the right answer choice.

S89. Ans.(d)

Sol. The correct rearrangement of the jumbled pieces of the given sentence would be DACB. Hence, option (b) is the right answer choice.

The sentence thus formed would be, "An ET poll of 24 banks showed that the monetary policy committee (MPC) of the Reserve Bank of India would also evaluate inflation risks arising out of the global energy crisis and rising motor fuel prices."

S90. Ans.(e)

Sol. There is no error in any part of the given sentence. Hence, option (e) is the right answer choice.

S91. Ans.(b)

Sol. S lives on the 6th floor. One person lives between S and Q. There are two possibilities. The one whose age is a perfect square of odd number lives on the 4th floor. Q is not 49 years old. There is one more possibility in case-2, i.e case-2(a). Five persons live between V and X, who does not live above T. V's age is a perfect square of the even number. Hence V's age is 64.

Floor	Case-1		Case-2		Case-2(a)	
	Persons	Age	Persons	Age	Persons	Age
8	V/	64	Q		Q	
7	V/X		V	64	V	64
6	S		S		S	
5						
4	Q	25		49		25
3						
2	X/					
1	X/V		X		X	

Two persons live between P and T whose age is a prime number. T does not live just above and just below the floor on which the one whose age is 49 years lives. U's age is more than X and less than T. Hence T's age is 37. The difference between the age of U and R is 10 years. Neither U nor R's age is a prime number. There is only possibility U's age is 25 and R's age is 15. From these conditions case-1 and case-2 will be eliminated.

Floor	Case-2(a)	
	Persons	Age
8	Q	
7	V	64
6	S	
5	P/T	
4	U	25
3	R	15
2	P/T	
1	X	

The sum of age of S and the one who lives on the 3rd floor is 64 years. So, age of S is 49. Q's age is not less than 20years. Hence Q is 27years old. P's age is less than X. The final arrangement is-

Floor	Person	Age
8	Q	27
7	V	64
6	S	49
5	P	17
4	U	25
3	R	15
2	T	37
1	X	18

S92. Ans.(e)

Sol. S lives on the 6th floor. One person lives between S and Q. There are two possibilities. The one whose age is a perfect square of odd number lives on the 4th floor. Q is not 49 years old. There is one more possibility in case-2, i.e case-2(a). Five persons live between V and X, who does not live above T. V's age is a perfect square of the even number. Hence V's age is 64.

Floor	Case-1		Case-2		Case-2(a)	
	Persons	Age	Persons	Age	Persons	Age
8	V/	64	Q		Q	
7	V/X		V	64	V	64
6	S		S		S	
5						
4	Q	25		49		25
3						
2	X/					
1	X/V		X		X	

Two persons live between P and T whose age is a prime number. T does not live just above and just below the floor on which the one whose age is 49 years lives. U's age is more than X and less than T. Hence T's age is 37. The difference between the age of U and R is 10 years. Neither U nor R's age is a prime number. There is only possibility U's age is 25 and R's age is 15. From these conditions case-1 and case-2 will be eliminated.

Floor	Case-2(a)	
	Persons	Age
8	Q	
7	V	64
6	S	
5	P/T	
4	U	25
3	R	15
2	P/T	
1	X	

The sum of age of S and the one who lives on the 3rd floor is 64 years. So, age of S is 49. Q's age is not less than 20years. Hence Q is 27years old. P's age is less than X. The final arrangement is-

Floor	Person	Age
8	Q	27
7	V	64
6	S	49
5	P	17
4	U	25
3	R	15
2	T	37
1	X	18

S93. Ans.(d)

Sol. S lives on the 6th floor. One person lives between S and Q. There are two possibilities. The one whose age is a perfect square of odd number lives on the 4th floor. Q is not 49 years old. There is one more possibility in case-2, i.e case-2(a). Five persons live between V and X, who does not live above T. V's age is a perfect square of the even number. Hence V's age is 64.

Floor	Case-1		Case-2		Case-2(a)	
	Persons	Age	Persons	Age	Persons	Age
8	V/	64	Q		Q	
7	V/X		V	64	V	64
6	S		S		S	
5						
4	Q	25		49		25
3						
2	X/					
1	X/V		X		X	

Two persons live between P and T whose age is a prime number. T does not live just above and just below the floor on which the one whose age is 49 years lives. U's age is more than X and less than T. Hence T's age is 37. The difference between the age of U and R is 10 years. Neither U nor R's age is a prime number. There is only possibility U's age is 25 and R's age is 15. From these conditions case-1 and case-2 will be eliminated.

Floor	Case-2(a)	
	Persons	Age
8	Q	
7	V	64
6	S	
5	P/T	
4	U	25
3	R	15
2	P/T	
1	X	

The sum of age of S and the one who lives on the 3rd floor is 64 years. So, age of S is 49. Q's age is not less than 20years. Hence Q is 27years old. P's age is less than X. The final arrangement is-

Floor	Person	Age
8	Q	27
7	V	64
6	S	49
5	P	17
4	U	25
3	R	15
2	T	37
1	X	18

S94. Ans.(a)

Sol. S lives on the 6th floor. One person lives between S and Q. There are two possibilities. The one whose age is a perfect square of odd number lives on the 4th floor. Q is not 49 years old. There is one more possibility in case-2, i.e case-2(a). Five persons live between V and X, who does not live above T. V's age is a perfect square of the even number. Hence V's age is 64.

Floor	Case-1		Case-2		Case-2(a)	
	Persons	Age	Persons	Age	Persons	Age
8	V/	64	Q		Q	
7	V/X		V	64	V	64
6	S		S		S	
5						
4	Q	25		49		25
3						
2	X/					
1	X/V		X		X	

Two persons live between P and T whose age is a prime number. T does not live just above and just below the floor on which the one whose age is 49 years lives. U's age is more than X and less than T. Hence T's age is 37. The difference between the age of U and R is 10 years. Neither U nor R's age is a prime number. There is only possibility U's age is 25 and R's age is 15. From these conditions case-1 and case-2 will be eliminated.

Floor	Case-2(a)	
	Persons	Age
8	Q	
7	V	64
6	S	
5	P/T	
4	U	25
3	R	15
2	P/T	
1	X	

The sum of age of S and the one who lives on the 3rd floor is 64 years. So, age of S is 49. Q's age is not less than 20years. Hence Q is 27years old. P's age is less than X. The final arrangement is-

Floor	Person	Age
8	Q	27
7	V	64
6	S	49
5	P	17
4	U	25
3	R	15
2	T	37
1	X	18

S95. Ans.(d)

Sol. S lives on the 6th floor. One person lives between S and Q. There are two possibilities. The one whose age is a perfect square of odd number lives on the 4th floor. Q is not 49 years old. There is one more possibility in case-2, i.e case-2(a). Five persons live between V and X, who does not live above T. V's age is a perfect square of the even number. Hence V's age is 64.

Floor	Case-1		Case-2		Case-2(a)	
	Persons	Age	Persons	Age	Persons	Age
8	V/	64	Q		Q	
7	V/X		V	64	V	64
6	S		S		S	
5						
4	Q	25		49		25
3						
2	X/					
1	X/V		X		X	

Two persons live between P and T whose age is a prime number. T does not live just above and just below the floor on which the one whose age is 49 years lives. U's age is more than X and less than T. Hence T's age is 37. The difference between the age of U and R is 10 years. Neither U nor R's age is a prime number. There is only possibility U's age is 25 and R's age is 15. From these conditions case-1 and case-2 will be eliminated.

Case-2(a)		
Floor	Persons	Age
8	Q	
7	V	64
6	S	
5	P/T	
4	U	25
3	R	15
2	P/T	
1	X	

The sum of age of S and the one who lives on the 3rd floor is 64 years. So, age of S is 49. Q's age is not less than 20years. Hence Q is 27years old. P's age is less than X. The final arrangement is-

Floor	Person	Age
8	Q	27
7	V	64
6	S	49
5	P	17
4	U	25
3	R	15
2	T	37
1	X	18

S96. Ans.(d)

Sol.

In row-1

Even number is followed by an odd number so = $8 * 5 = 40$
40 10

Even number is followed by an even number so = $40 + 10 = 50$

In row-2

Even number is followed by a perfect square so = $25 - 4 = 21$
21 3

Odd number is followed by an odd number so = $21/3 = 7$

So, the addition of resultant of two rows = $50 + 7 = 57$

S97. Ans.(a)

Sol.

In row-1

even number is followed by a perfect square number so= $12-9 = 3$
3 8

Odd number is followed by an even number so = $3+8 = 11$

In row-2

Odd number is followed by an even number so = $15+12 = 27$
27 9

Odd number is followed by another odd number so= $27/9 = 3$

So, the difference of the resultant of the both rows = $11-3 = 8$

S98. Ans.(b)

Sol.

In row-1

Even number is followed by another even number so= $14+8 = 22$
22 9

Even number is followed by square number so= $22-9 = 13$

If the multiplication of resultant of two rows is 26 then resultant of row-2 must be 2

In row-2

Even number is followed by an odd number so= $6*3 = 18$
18 X

If resultant is 2 therefore,

Even number is followed by a perfect square so= $18-16 = 2$

So, the value of 'X' must be = 16

S99. Ans.(e)

Sol.

In row-1

Even number is followed by an odd number so= $4*7 = 28$
28 36

Even number is followed by a perfect square so= $36-28 = 8$

In row-2

Odd number is followed by an odd number so = $81/9 = 9$
9 2

Odd number is followed by an even number so = $9+2 = 11$

So, the multiplication of resultant of the two rows = $8 * 11 = 88$

S100. Ans.(c)

Sol.

In row-1

Odd number is followed by an even number so = $17+4=21$
 $21 \quad 7$

Odd number is followed by an odd number so = $21/7=3$

In row-2

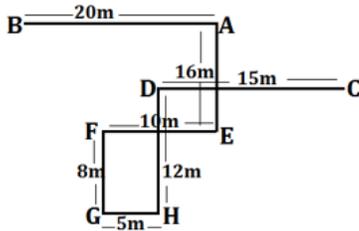
Even number is followed by an even number so = $12*5=60$
 $60 \quad 49$

Odd number is followed by an even number so = $60-49=11$

So, the addition of resultant of the two rows = $3+11=14$

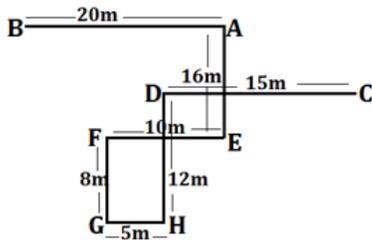
S101. Ans.(b)

Sol.



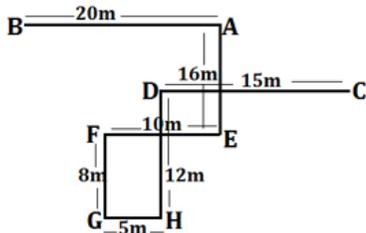
S102. Ans.(d)

Sol.



S103. Ans.(c)

Sol.



S104. Ans.(d)

Sol. P goes on vacation in the month which has even number of days and likes Paris. Three persons go between P and R. Two persons go between R and the one who likes Dubai. Equal number of persons go after R and before T. The one who likes Hawaii goes in August. There are three possibilities-

Month	Case-1		Case-2		Case-3	
	Persons	Destinations	Persons	Destinations	Persons	Destinations
January			R			Dubai
March	T					
April	P	Paris				
May		Dubai		Dubai	R	
June			P	Paris	T	
July						
August	R	Hawaii		Hawaii		Hawaii
September			T		P	Paris

Q goes on vacation in the month just before O. Q does not go in the month which has an odd number of days. From this condition case-3 will be eliminated. M goes in the month after the one who likes Bali. M goes in the month which has an odd number of days. S does not go in the month which has an odd number of days. N is one of the persons. From these conditions, case-2 ruled out.

Month	Case-1	
	Persons	Destinations
January	N	Bali/
March	T	Bali/
April	P	Paris
May	M	Dubai
June	Q	
July	O	
August	R	Hawaii
September	S	

Same numbers of person go after the one who likes Bali and before the one who likes Cairo. M does not like Cairo. The person who likes Rome goes before the one who likes Santorini and after the one who likes Maldives. T does not like Cairo and Santorini. The final arrangement is-

Month	Persons	Destinations
January	N	Bali
March	T	Maldives
April	P	Paris
May	M	Dubai
June	Q	Rome
July	O	Santorini
August	R	Hawaii
September	S	Cairo

S105. Ans.(b)

Sol. P goes on vacation in the month which has even number of days and likes Paris. Three persons go between P and R. Two persons go between R and the one who likes Dubai. Equal number of persons go after R and before T. The one who likes Hawaii goes in August. There are three possibilities-

	Case-1		Case-2		Case-3	
Month	Persons	Destinations	Persons	Destinations	Persons	Destinations
January			R			Dubai
March	T					
April	P	Paris				
May		Dubai		Dubai	R	
June			P	Paris	T	
July						
August	R	Hawaii		Hawaii		Hawaii
September			T		P	Paris

Q goes on vacation in the month just before O. Q does not go in the month which has an odd number of days. From this condition case-3 will be eliminated. M goes in the month after the one who likes Bali. M goes in the month which has an odd number of days. S does not go in the month which has an odd number of days. N is one of the persons. From these conditions, case-2 ruled out.

Case-1		
Month	Persons	Destinations
January	N	Bali/
March	T	Bali/
April	P	Paris
May	M	Dubai
June	Q	
July	O	
August	R	Hawaii
September	S	

Same numbers of person go after the one who likes Bali and before the one who likes Cairo. M does not like Cairo. The person who likes Rome goes before the one who likes Santorini and after the one who likes Maldives. T does not like Cairo and Santorini. The final arrangement is-

Month	Persons	Destinations
January	N	Bali
March	T	Maldives
April	P	Paris
May	M	Dubai
June	Q	Rome
July	O	Santorini
August	R	Hawaii
September	S	Cairo

S106. Ans.(c)

Sol. P goes on vacation in the month which has even number of days and likes Paris. Three persons go between P and R. Two persons go between R and the one who likes Dubai. Equal number of persons go after R and before T. The one who likes Hawaii goes in August. There are three possibilities-

	Case-1		Case-2		Case-3	
Month	Persons	Destinations	Persons	Destinations	Persons	Destinations
January			R			Dubai
March	T					
April	P	Paris				
May		Dubai		Dubai	R	
June			P	Paris	T	
July						
August	R	Hawaii		Hawaii		Hawaii
September			T		P	Paris

Q goes on vacation in the month just before O. Q does not go in the month which has an odd number of days. From this condition case-3 will be eliminated. M goes in the month after the one who likes Bali. M goes in the month which has an odd number of days. S does not go in the month which has an odd number of days. N is one of the persons. From these conditions, case-2 ruled out.

Case-1		
Month	Persons	Destinations
January	N	Bali/
March	T	Bali/
April	P	Paris
May	M	Dubai
June	Q	
July	O	
August	R	Hawaii
September	S	

Same numbers of person go after the one who likes Bali and before the one who likes Cairo. M does not like Cairo. The person who likes Rome goes before the one who likes Santorini and after the one who likes Maldives. T does not like Cairo and Santorini. The final arrangement is-

Month	Persons	Destinations
January	N	Bali
March	T	Maldives
April	P	Paris
May	M	Dubai
June	Q	Rome
July	O	Santorini
August	R	Hawaii
September	S	Cairo

S107. Ans.(b)

Sol. P goes on vacation in the month which has even number of days and likes Paris. Three persons go between P and R. Two persons go between R and the one who likes Dubai. Equal number of persons go after R and before T. The one who likes Hawaii goes in August. There are three possibilities-

	Case-1		Case-2		Case-3	
Month	Persons	Destinations	Persons	Destinations	Persons	Destinations
January			R			Dubai
March	T					
April	P	Paris				
May		Dubai		Dubai	R	
June			P	Paris	T	
July						
August	R	Hawaii		Hawaii		Hawaii
September			T		P	Paris

Q goes on vacation in the month just before O. Q does not go in the month which has an odd number of days. From this condition case-3 will be eliminated. M goes in the month after the one who likes Bali. M goes in the month which has an odd number of days. S does not go in the month which has an odd number of days. N is one of the persons. From these conditions, case-2 ruled out.

Case-1		
Month	Persons	Destinations
January	N	Bali/
March	T	Bali/
April	P	Paris
May	M	Dubai
June	Q	
July	O	
August	R	Hawaii
September	S	

Same numbers of person go after the one who likes Bali and before the one who likes Cairo. M does not like Cairo. The person who likes Rome goes before the one who likes Santorini and after the one who likes Maldives. T does not like Cairo and Santorini. The final arrangement is-

Month	Persons	Destinations
January	N	Bali
March	T	Maldives
April	P	Paris
May	M	Dubai
June	Q	Rome
July	O	Santorini
August	R	Hawaii
September	S	Cairo

S108. Ans.(e)

Sol. P goes on vacation in the month which has even number of days and likes Paris. Three persons go between P and R. Two persons go between R and the one who likes Dubai. Equal number of persons go after R and before T. The one who likes Hawaii goes in August. There are three possibilities-

Month	Case-1		Case-2		Case-3	
	Persons	Destinations	Persons	Destinations	Persons	Destinations
January			R			Dubai
March	T					
April	P	Paris				
May		Dubai		Dubai	R	
June			P	Paris	T	
July						
August	R	Hawaii		Hawaii		Hawaii
September			T		P	Paris

Q goes on vacation in the month just before O. Q does not go in the month which has an odd number of days. From this condition case-3 will be eliminated. M goes in the month after the one who likes Bali. M goes in the month which has an odd number of days. S does not go in the month which has an odd number of days. N is one of the persons. From these conditions, case-2 ruled out.

Case-1		
Month	Persons	Destinations
January	N	Bali/
March	T	Bali/
April	P	Paris
May	M	Dubai
June	Q	
July	O	
August	R	Hawaii
September	S	

Same numbers of person go after the one who likes Bali and before the one who likes Cairo. M does not like Cairo. The person who likes Rome goes before the one who likes Santorini and after the one who likes Maldives. T does not like Cairo and Santorini. The final arrangement is-

Month	Persons	Destinations
January	N	Bali
March	T	Maldives
April	P	Paris
May	M	Dubai
June	Q	Rome
July	O	Santorini
August	R	Hawaii
September	S	Cairo

S109. Ans.(b)

Sol. Only III are not in line with the issue in given statement and both statement I and II are in line as statement I is effect after judgement and statement II is about request made by state government.

S110. Ans.(b)

Sol. Statement II is the cause and Statement, I is its effect. After violent activities, Police has arrested and taken decision for section 144 all over the state.

S111. Ans.(c)

Sol. In latest version there are 1,048,576 rows by 16,384 columns.

S112. Ans.(b)

Sol. You have to select slide orientation to change orientation.

S113. Ans.(c)

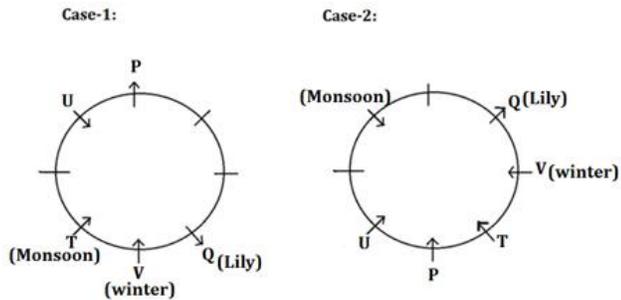
Sol. Given word- DELIGHTFUL

Applied given condition- CFKJFGSEVK

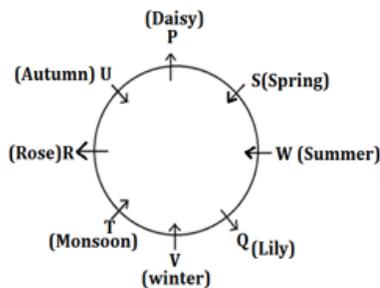
Arranged alphabetical order- CEFFGJKKSV

S114. Ans.(a)

Sol. Q sits third to the right of P and likes Lily. There are two possible cases. The one who likes monsoon season sits third to the left of P. U sits third to the left of V who is an immediate neighbour of Q and V likes winter season hence V faces inside the center. T sits second to the right of U. T is an immediate neighbour of V and does not like flower.

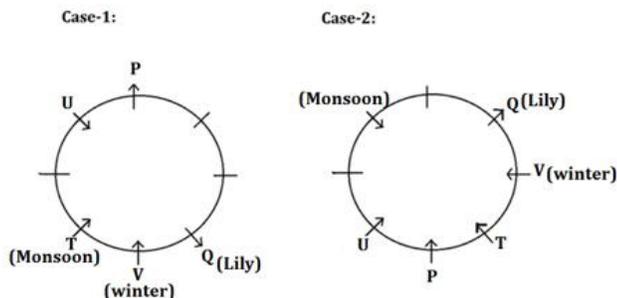


The one who likes summer season sits second to the right of the one who likes daisy. Only two persons sit between the one who likes rose and the one who likes spring season. By using these conditions case-2 will be eliminated and in case-1 there is only possibility P likes daisy. R is not an immediate neighbor of P and likes a flower. That means R likes rose. S neither likes summer nor autumn season. Hence U likes autumn season, W likes summer season and S likes spring season. The final arrangement is-



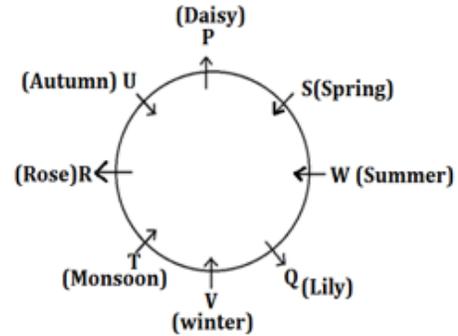
S115. Ans.(d)

Sol. Q sits third to the right of P and likes Lily. There are two possible cases. The one who likes monsoon season sits third to the left of P. U sits third to the left of V who is an immediate neighbour of Q and V likes winter season hence V faces inside the center. T sits second to the right of U. T is an immediate neighbour of V and does not like flower.



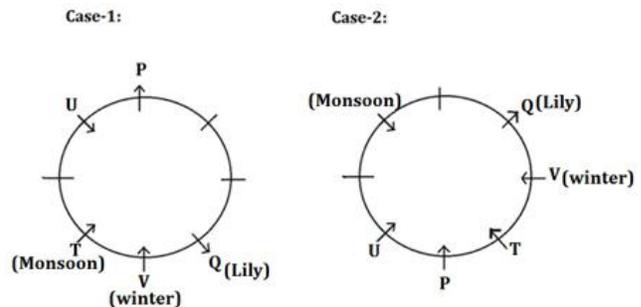
The one who likes summer season sits second to the right of the one who likes daisy. Only two persons sit between the one who likes rose and the one who likes spring season. By using these conditions case-2 will be eliminated and in case-1 there is only possibility P likes daisy. R is not an immediate neighbor of P and likes a flower. That means R likes rose. S neither likes summer

nor autumn season. Hence U likes autumn season, W likes summer season and S likes spring season. The final arrangement is-

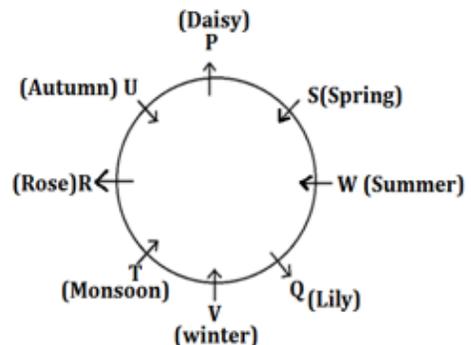


S116. Ans.(c)

Sol. Q sits third to the right of P and likes Lily. There are two possible cases. The one who likes monsoon season sits third to the left of P. U sits third to the left of V who is an immediate neighbour of Q and V likes winter season hence V faces inside the center. T sits second to the right of U. T is an immediate neighbour of V and does not like flower.

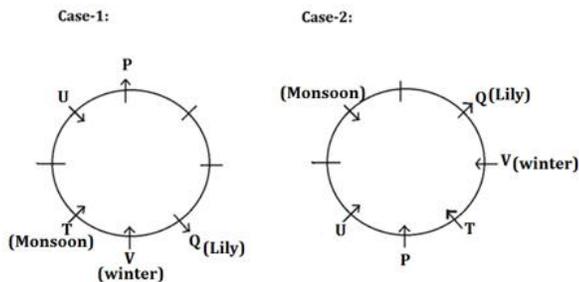


The one who likes summer season sits second to the right of the one who likes daisy. Only two persons sit between the one who likes rose and the one who likes spring season. By using these conditions case-2 will be eliminated and in case-1 there is only possibility P likes daisy. R is not an immediate neighbor of P and likes a flower. That means R likes rose. S neither likes summer nor autumn season. Hence U likes autumn season, W likes summer season and S likes spring season. The final arrangement is-

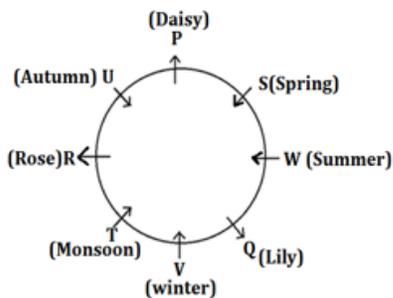


S117. Ans.(b)

Sol. Q sits third to the right of P and likes Lily. There are two possible cases. The one who likes monsoon season sits third to the left of P. U sits third to the left of V who is an immediate neighbour of Q and V likes winter season hence V faces inside the center. T sits second to the right of U. T is an immediate neighbour of V and does not like flower.

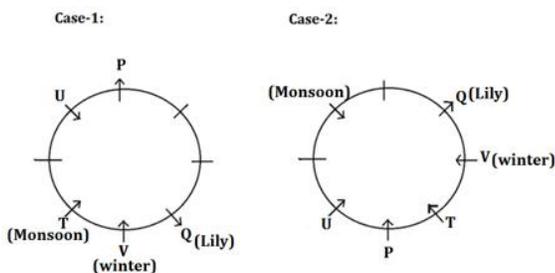


The one who likes summer season sits second to the right of the one who likes daisy. Only two persons sit between the one who likes rose and the one who likes spring season. By using these conditions case-2 will be eliminated and in case-1 there is only possibility P likes daisy. R is not an immediate neighbor of P and likes a flower. That means R likes rose. S neither likes summer nor autumn season. Hence U likes autumn season, W likes summer season and S likes spring season. The final arrangement is-

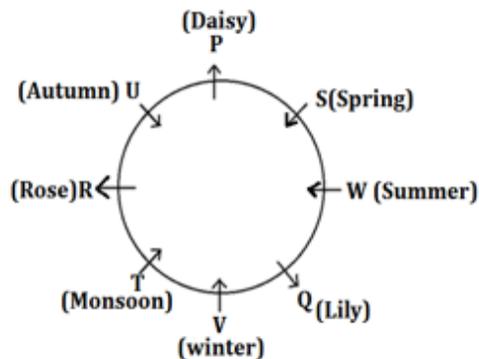


S118. Ans.(d)

Sol. Q sits third to the right of P and likes Lily. There are two possible cases. The one who likes monsoon season sits third to the left of P. U sits third to the left of V who is an immediate neighbour of Q and V likes winter season hence V faces inside the center. T sits second to the right of U. T is an immediate neighbour of V and does not like flower.



The one who likes summer season sits second to the right of the one who likes daisy. Only two persons sit between the one who likes rose and the one who likes spring season. By using these conditions case-2 will be eliminated and in case-1 there is only possibility P likes daisy. R is not an immediate neighbor of P and likes a flower. That means R likes rose. S neither likes summer nor autumn season. Hence U likes autumn season, W likes summer season and S likes spring season. The final arrangement is-



S119. Ans.(d)

Sol. In this input-output question, only numbers are arranged in each step. Let us understand the logic behind it.

Step 1: First the sum of the first digit of the first block and first digit of the second blocks and sum of the second digit of the first blocks and second digit of the second block is taken. Now the addition of these two sums are taken. Similarly, the process continues for the next two inputs and so on.

Step 2: Now product of the first digits of every block of the previous step and then the product of the last digits of every block of the previous step are taken.

Step 3: Addition of the digits in each of the blocks.

Step 4: Now the difference between these two numbers of step III is taken formed in step 3.

INPUT:	3 9	5 7	6 6	9 4	8 2	3 1
STEP I:	2 4	2 5	1 4			
STEP II:		0 4	8 0			
STEP III:		0 4	0 8			
STEP IV:			0 4			

S120. Ans.(c)

Sol. In this input-output question, only numbers are arranged in each step. Let us understand the logic behind it.

Step 1: First the sum of the first digit of the first block and first digit of the second blocks and sum of the second digit of the first blocks and second digit of the second block is taken. Now the addition of these two sums are taken. Similarly, the process continues for the next two inputs and so on.

Step 2: Now product of the first digits of every block of the previous step and then the product of the last digits of every block of the previous step are taken.

Step 3: Addition of the digits in each of the blocks.

Step 4: Now the difference between these two numbers of step III is taken formed in step 3.

INPUT:	3 9	5 7	6 6	9 4	8 2	3 1
STEP I:	2 4		2 5		1 4	
STEP II:		0 4		8 0		
STEP III:		0 4		0 8		
STEP IV:			0 4			

S121. Ans.(b)

Sol. In this input-output question, only numbers are arranged in each step. Let us understand the logic behind it.

Step 1: First the sum of the first digit of the first block and first digit of the second blocks and sum of the second digit of the first blocks and second digit of the second block is taken. Now the addition of these two sums are taken. Similarly, the process continues for the next two inputs and so on.

Step 2: Now product of the first digits of every block of the previous step and then the product of the last digits of every block of the previous step are taken.

Step 3: Addition of the digits in each of the blocks.

Step 4: Now the difference between these two numbers of step III is taken formed in step 3.

INPUT:	3 9	5 7	6 6	9 4	8 2	3 1
STEP I:	2 4		2 5		1 4	
STEP II:		0 4		8 0		
STEP III:		0 4		0 8		
STEP IV:			0 4			

S122. Ans.(b)

Sol. In this input-output question, only numbers are arranged in each step. Let us understand the logic behind it.

Step 1: First the sum of the first digit of the first block and first digit of the second blocks and sum of the second digit of the first blocks and second digit of the second block is taken. Now the addition of these two sums are taken. Similarly, the process continues for the next two inputs and so on.

Step 2: Now product of the first digits of every block of the previous step and then the product of the last digits of every block of the previous step are taken.

Step 3: Addition of the digits in each of the blocks.

Step 4: Now the difference between these two numbers of step III is taken formed in step 3.

INPUT:	3 9	5 7	6 6	9 4	8 2	3 1
STEP I:	2 4		2 5		1 4	
STEP II:		0 4		8 0		
STEP III:		0 4		0 8		
STEP IV:			0 4			

S123. Ans.(e)

Sol. In this input-output question, only numbers are arranged in each step. Let us understand the logic behind it.

Step 1: First the sum of the first digit of the first block and first digit of the second blocks and sum of the second digit of the first blocks and second digit of the second block is taken. Now the addition of these two sums are taken. Similarly, the process continues for the next two inputs and so on.

Step 2: Now product of the first digits of every block of the previous step and then the product of the last digits of every block of the previous step are taken.

Step 3: Addition of the digits in each of the blocks.

Step 4: Now the difference between these two numbers of step III is taken formed in step 3.

INPUT:	3 9	5 7	6 6	9 4	8 2	3 1
STEP I:	2 4		2 5		1 4	
STEP II:		0 4		8 0		
STEP III:		0 4		0 8		
STEP IV:			0 4			

S124. Ans.(b)

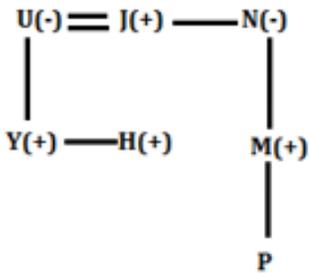
Sol. I. U\$W (True) II. W%U(False)

S125. Ans.(b)

Sol. I. L\$M(True) II. U\$T(False)

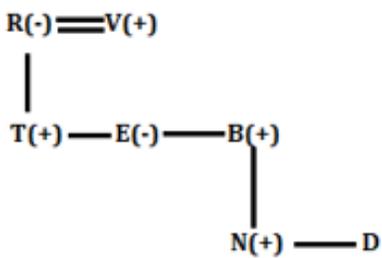
S126. Ans.(e)

Sol.



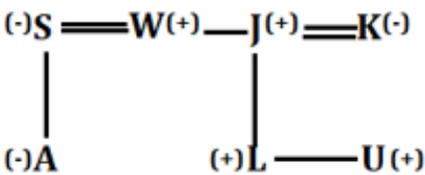
S127. Ans.(b)

Sol.



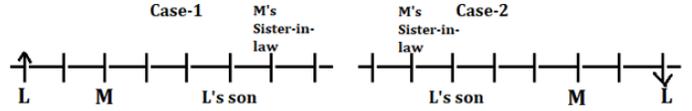
S128. Ans.(d)

Sol.

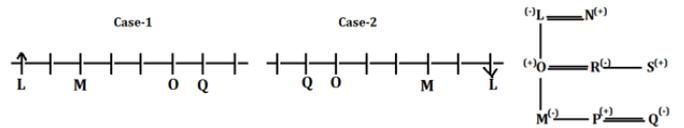


S129. Ans.(b)

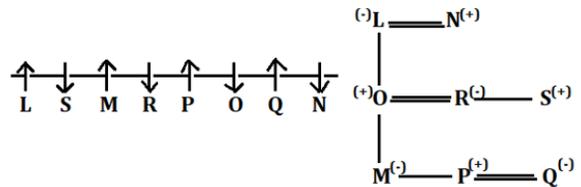
Sol. Four persons sit between L and her son. L sits at one of the extreme ends of the row. M is granddaughter of L and sits second to the right of L. Three persons sit between M and Sister-in-law of M. P is nephew of S who is brother-in-law of O. N has only one child. There are two possibilities.



Q is daughter in law of R who is sister of S. Both M and S are unmarried. Now first we complete the family tree then continue with further information.

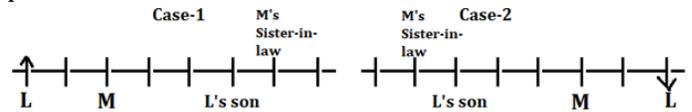


R sits third to the left of Q. Both children of R is immediate neighbour of R and face the same direction. N sits third to the right of P. S is not an immediate neighbour of Q. The persons who sit extreme end facing the opposite direction. The grandfather of P does not face north. Hence Case-2 will be eliminated. No two persons who are facing the same direction are sitting together.

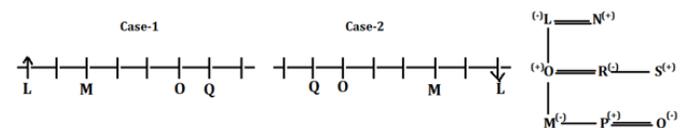


S130. Ans.(b)

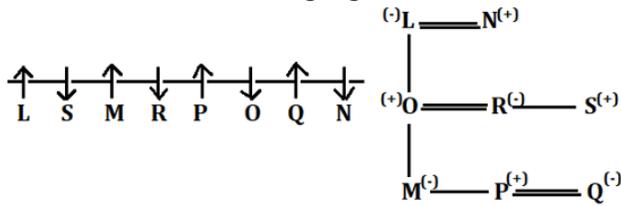
Sol. Four persons sit between L and her son. L sits at one of the extreme ends of the row. M is granddaughter of L and sits second to the right of L. Three persons sit between M and Sister-in-law of M. P is nephew of S who is brother-in-law of O. N has only one child. There are two possibilities.



Q is daughter in law of R who is sister of S. Both M and S are unmarried. Now first we complete the family tree then continue with further information.

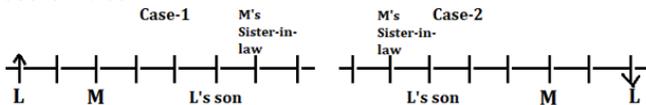


R sits third to the left of Q. Both children of R is immediate neighbour of R and face the same direction. N sits third to the right of P. S is not an immediate neighbour of Q. The persons who sit extreme end facing the opposite direction. The grandfather of P does not face north. Hence Case-2 will be eliminated. No two persons who are facing the same direction are sitting together.

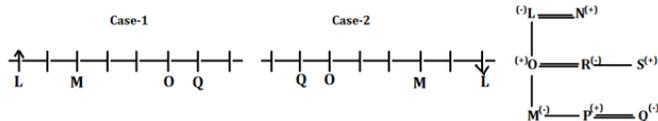


S131. Ans.(d)

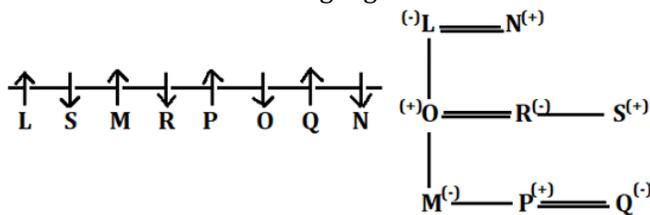
Sol. Four persons sit between L and her son. L sits at one of the extreme ends of the row. M is granddaughter of L and sits second to the right of L. Three persons sit between M and Sister-in-law of M. P is nephew of S who is brother-in-law of O. N has only one child. There are two possibilities.



Q is daughter in law of R who is sister of S. Both M and S are unmarried. Now first we complete the family tree then continue with further information.

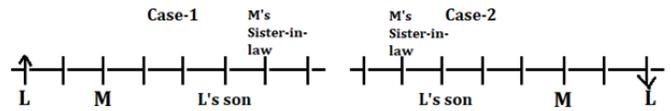


R sits third to the left of Q. Both children of R is immediate neighbour of R and face the same direction. N sits third to the right of P. S is not an immediate neighbour of Q. The persons who sit extreme end facing the opposite direction. The grandfather of P does not face north. Hence Case-2 will be eliminated. No two persons who are facing the same direction are sitting together.

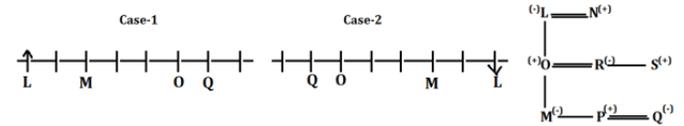


S132. Ans.(e)

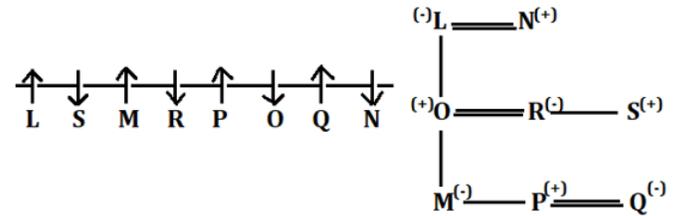
Sol. Four persons sit between L and her son. L sits at one of the extreme ends of the row. M is granddaughter of L and sits second to the right of L. Three persons sit between M and Sister-in-law of M. P is nephew of S who is brother-in-law of O. N has only one child. There are two possibilities.



Q is daughter in law of R who is sister of S. Both M and S are unmarried. Now first we complete the family tree then continue with further information.

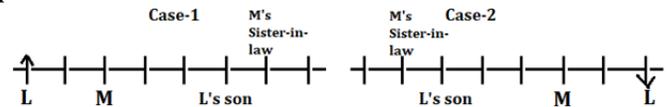


R sits third to the left of Q. Both children of R is immediate neighbour of R and face the same direction. N sits third to the right of P. S is not an immediate neighbour of Q. The persons who sit extreme end facing the opposite direction. The grandfather of P does not face north. Hence Case-2 will be eliminated. No two persons who are facing the same direction are sitting together.

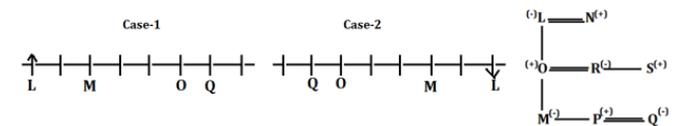


S133. Ans.(b)

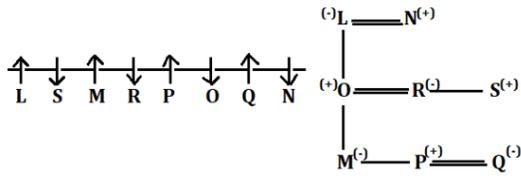
Sol. Four persons sit between L and her son. L sits at one of the extreme ends of the row. M is granddaughter of L and sits second to the right of L. Three persons sit between M and Sister-in-law of M. P is nephew of S who is brother-in-law of O. N has only one child. There are two possibilities.



Q is daughter in law of R who is sister of S. Both M and S are unmarried. Now first we complete the family tree then continue with further information.



R sits third to the left of Q. Both children of R is immediate neighbour of R and face the same direction. N sits third to the right of P. S is not an immediate neighbour of Q. The persons who sit extreme end facing the opposite direction. The grandfather of P does not face north. Hence Case-2 will be eliminated. No two persons who are facing the same direction are sitting together.



S134. Ans.(c)

Sol. Given number- 36289643571
 Applied given condition- 24168431450
 Arranged in descending order- 86544432110

S135. Ans.(d)

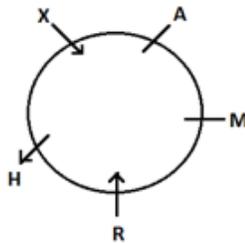
Sol. Only (d) strengthen the given statement as the given statement states that without having enough salary or established business it will be difficult to make your children study in abroad. So statement (d) supports it as early and right saving is required o fulfill the dream of your children. (a), (c) are not directly related to the statement. Also (b) and (e) negates the statement.

S136. Ans.(e)

Sol. Only (e) cannot be assumed from the given statement as the whole statement states about the saving of natural ecosystem but (e) is about protecting land for artificial ecosystem. Except (e) all the statement states about the importance and approach of GDN for conservation of ecosystem.

S137. Ans.(a)

Sol. From statement I:



By using, only statement I we can conclude, H faces outside the center.

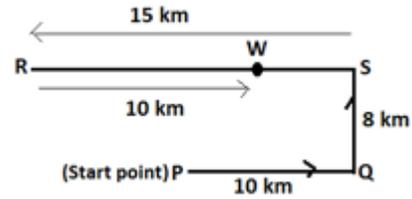
S138. Ans.(e)

Sol. By combining both the statements together we can find that code of Red is 'vnq'.

Word	Code
Silver	rho
Yellow	lit
Orange	pho
Bronze	mib
Gold	wgx
Green	fdx
Red	vnq

S139. Ans.(b)

Sol. From statement II:



By using only II statement we can find that the distance between point W and point S is 5 km.

S140. Ans.(c)

Sol. SOUL

S141. Ans.(a)

Sol.

The total packet of chips for 5 months = 2400
 $(22.5+X+X-5+20.5+X+17) = 100\%$
 $3X=45$
 $X=15$
 So,
 Total packet of chips in the month of April = $\frac{22.5}{100} \times 2400 = 540$
 Total packet of chips in the month of May = $\frac{X}{100} \times 2400 = \frac{15}{100} \times 2400 = 360$
 Total packet of chips in the month of June = $\frac{X-5}{100} \times 2400 = \frac{10}{100} \times 2400 = 240$
 Total packet of chips in the month of July = $\frac{20.5}{100} \times 2400 = 492$
 Total packet of chips in the month of August = $\frac{X+17}{100} \times 2400 = \frac{32}{100} \times 2400 = 768$
 Total packet of chips sold in the month of May = 360
 Total revenue generated = $180 \times \frac{25}{100} \times 15 + 180 \times \frac{65}{100} \times 10 = \text{Rs. } 1845$

S142. Ans.(b)

Sol.

The total packet of chips for 5 months = 2400
 $(22.5+X+X-5+20.5+X+17) = 100\%$
 $3X=45$
 $X=15$
 So,
 Total packet of chips in the month of April = $\frac{22.5}{100} \times 2400 = 540$
 Total packet of chips in the month of May = $\frac{X}{100} \times 2400 = \frac{15}{100} \times 2400 = 360$
 Total packet of chips in the month of June = $\frac{X-5}{100} \times 2400 = \frac{10}{100} \times 2400 = 240$
 Total packet of chips in the month of July = $\frac{20.5}{100} \times 2400 = 492$
 Total packet of chips in the month of August = $\frac{X+17}{100} \times 2400 = \frac{32}{100} \times 2400 = 768$
 Required ratio = $768 \times \frac{7}{16} + 540 \times \frac{4}{9} : 768 \times \frac{9}{16} + 540 \times \frac{5}{9} = 48:61$

S143. Ans.(c)

Sol.

The total packet of chips for 5 months = 2400
 $(22.5+X+X-5+20.5+X+17) = 100\%$
 $3X=45$
 $X=15$
 So,
 Total packet of chips in the month of April = $\frac{22.5}{100} \times 2400 = 540$
 Total packet of chips in the month of May = $\frac{X}{100} \times 2400 = \frac{15}{100} \times 2400 = 360$
 Total packet of chips in the month of June = $\frac{X-5}{100} \times 2400 = \frac{10}{100} \times 2400 = 240$
 Total packet of chips in the month of July = $\frac{20.5}{100} \times 2400 = 492$
 Total packet of chips in the month of August = $\frac{X+17}{100} \times 2400 = \frac{32}{100} \times 2400 = 768$

Total packet produced in month of June = 240

Packet produced of Cream & Onion = 144

Packet of Spicy Tomato = 96

$$\text{Total revenue} = X = 144 \times 15 + 96 \times 15 \times \frac{120}{100}$$

$$X = 3888$$

S144. Ans.(d)

Sol.

The total packet of chips for 5 months = 2400

$$(22.5 + X + X - 5 + 20.5 + X + 17) = 100\%$$

$$3X = 45$$

$$X = 15$$

So,

$$\text{Total packet of chips in the month of April} = \frac{22.5}{100} \times 2400 = 540$$

$$\text{Total packet of chips in the month of May} = \frac{X}{100} \times 2400 = \frac{15}{100} \times 2400 = 360$$

$$\text{Total packet of chips in the month of June} = \frac{X-5}{100} \times 2400 = \frac{10}{100} \times 2400 = 240$$

$$\text{Total packet of chips in the month of July} = \frac{20.5}{100} \times 2400 = 492$$

$$\text{Total packet of chips in the month of August} = \frac{X+17}{100} \times 2400 = \frac{32}{100} \times 2400 = 768$$

$$\text{Average number of packets in all 5 months} = \frac{2400}{5} = 480$$

April, July and August are the month having higher packets than average number of packets.

S145. Ans.(a)

Sol.

The total packet of chips for 5 months = 2400

$$(22.5 + X + X - 5 + 20.5 + X + 17) = 100\%$$

$$3X = 45$$

$$X = 15$$

So,

$$\text{Total packet of chips in the month of April} = \frac{22.5}{100} \times 2400 = 540$$

$$\text{Total packet of chips in the month of May} = \frac{X}{100} \times 2400 = \frac{15}{100} \times 2400 = 360$$

$$\text{Total packet of chips in the month of June} = \frac{X-5}{100} \times 2400 = \frac{10}{100} \times 2400 = 240$$

$$\text{Total packet of chips in the month of July} = \frac{20.5}{100} \times 2400 = 492$$

$$\text{Total packet of chips in the month of August} = \frac{X+17}{100} \times 2400 = \frac{32}{100} \times 2400 = 768$$

$$\text{Required percentage} = \frac{240}{360} \times 100 = 66.66\%$$

S146. Ans.(b)

Sol.

The total packet of chips for 5 months = 2400

$$(22.5 + X + X - 5 + 20.5 + X + 17) = 100\%$$

$$3X = 45$$

$$X = 15$$

So,

$$\text{Total packet of chips in the month of April} = \frac{22.5}{100} \times 2400 = 540$$

$$\text{Total packet of chips in the month of May} = \frac{X}{100} \times 2400 = \frac{15}{100} \times 2400 = 360$$

$$\text{Total packet of chips in the month of June} = \frac{X-5}{100} \times 2400 = \frac{10}{100} \times 2400 = 240$$

$$\text{Total packet of chips in the month of July} = \frac{20.5}{100} \times 2400 = 492$$

$$\text{Total packet of chips in the month of August} = \frac{X+17}{100} \times 2400 = \frac{32}{100} \times 2400 = 768$$

$$\text{The average of packet of chips produce in the month of April and August} = \frac{540+768}{2} = 654$$

$$\text{The average of chips packet produced in the month of May, June and July} = \frac{360+240+492}{3}$$

$$= 364$$

$$\text{Required difference} = 290$$

S147. Ans.(d)

Sol.

$$15 \times 1 + 5.5 = 20.5$$

$$20.5 \times 2 + 5.5 = 46.5$$

$$46.5 \times 3 + 5.5 = 145$$

$$145 \times 4 + 5.5 = 585.5$$

$$585.5 \times 5 + 5.5 = 2933$$

$$2933 \times 6 + 5.5 = 17603.5$$

S148. Ans.(d)

Sol.

$$5540 - 9 = 5531$$

$$5531 - 25 = 5506$$

$$5506 - 49 = 5457$$

$$5457 - 121 = 5336$$

$$5336 - 169 = 5167$$

S149. Ans.(b)

Sol.

$$12 \times 2 + 2 = 26$$

$$26 \times 2 + 4 = 56$$

$$56 \times 2 + 6 = 118$$

$$118 \times 2 + 8 = 244$$

$$244 \times 2 + 10 = 498$$

$$498 \times 2 + 12 = 1008$$

S150. Ans.(d)

Sol.

Pattern of series -

$$1 \times 24 = 24$$

$$24 \times 12 = 288$$

$$288 \times 6 = 1728$$

$$1728 \times 3 = 5184$$

$$5184 \times 1.5 = 7776$$

$$7776 \times 0.75 = 5832$$

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S151. Ans.(c)

Sol.

$$\begin{aligned}2 + 11 &= 13 \\13 + 33 &= 46 \\46 + 99 &= 145 \\145 + 297 &= \mathbf{442} \\442 + 891 &= 1333 \\1333 + 2673 &= 4006\end{aligned}$$

S152. Ans.(b)

Sol.

$$\begin{aligned}\text{Speed of train A} &= \frac{110+250}{9} = \frac{360}{9} = 40 \text{ m/s} \\ \text{Speed of train C} &= \frac{200+250}{9} = 50 \text{ m/s} \\ \text{Let time taken by both the train to cross each other} &= t \text{ sec} \\ 40 + 50 &= \frac{110+200}{t} \\ t &= 3\frac{4}{9} \text{ sec}\end{aligned}$$

S153. Ans.(c)

Sol.

$$\begin{aligned}\text{For train B} \\ \text{Length of train B} &= X \text{ m} \\ 126 \times \frac{5}{18} &= \frac{X+250}{12} \\ X &= 170 \text{ m} \\ \text{For train E} \\ \text{Length of train E} &= Y \text{ m} \\ 90 \times \frac{5}{18} &= \frac{Y+250}{15} \\ Y &= 125 \text{ m} \\ \text{Required ratio} &= X:Y = 170:125 = 34:25\end{aligned}$$

S154. Ans.(a)

Sol.

$$\begin{aligned}\text{Speed of train F} &= \left(1 + \frac{1}{3}\right) \times 108 = 144 \text{ km/hr} = 144 \times \frac{5}{18} = 40 \text{ m/s} \\ \text{Time taken by train D to cross the pole} &= \frac{140}{30} = \frac{14}{3} \text{ s} \\ \text{Length of train F} &= 40 \times \frac{14}{3} \times 3 = 560 \text{ m}\end{aligned}$$

S155. Ans.(d)

Sol.

$$\begin{aligned}\text{Speed of train C} &= \frac{200+250}{9} = 50 \text{ m/s} = 50 \times \frac{18}{5} = 180 \text{ km/hr} \\ \text{Let the usual time taken by train C is } t \text{ hr} \\ \text{Due to foggy weather time taken} &= (t+2) \text{ hr} \\ 180 \times (t+2) &= 180 \times \frac{5}{3} \times (t) \\ t &= 3 \text{ hrs} \\ \text{Time train C will reach the destination} &= 11:35 \text{ AM}\end{aligned}$$

S156. Ans.(a)

Sol.

$$\begin{aligned}\text{Time taken by train D to reach the Chandrapur station} &= \frac{216}{108} = 2 \text{ hr} \\ \text{Train D will reach the station} &= 9:35 \text{ pm} \\ \text{Time taken by Ram to reach the station} &= \frac{45}{60} = \frac{3}{4} \text{ hr} = 45 \text{ min} \\ \text{The time at which Ram should leave his home} &= 9:35 - 5(\text{min}) - 45(\text{min}) \\ &= 8:45 \text{ PM}\end{aligned}$$

S157. Ans.(e)

Sol.

$$\begin{aligned}\text{Speed of train A} &= \frac{110+250}{9} = \frac{360}{9} = 40 \text{ m/s} \\ \text{Speed of train G} &= 162 \times \frac{5}{18} = 45 \text{ m/s} \\ \text{Let length of train G is } X \text{ m} \\ 45 - 40 &= \frac{110+X}{40} \\ X &= 90 \text{ m} \\ \text{Let length of tunnel} &= Y \\ 45 &= \frac{90+Y}{5} \\ Y &= 135 \text{ m}\end{aligned}$$

S158. Ans.(e)

Sol.

From I & II:
Let amount invested by Aman, Ayush and Asif be Rs.3x, Rs.6x and Rs.4x respectively.
Now, period of investment of Aman = $\frac{8}{4} \times 6$
= 12 months
And, period of investment of Asif = $\frac{8}{4} \times 3$
= 6 months
Now, profit sharing ratio of Aman, Ayush and Asif = $(3x \times 12) : (6x \times 8) : (4x \times 6)$
= 3:4:2
Now, let profit share of Asif be Rs.a
So, profit share of Aman = Rs. (a + 1000)
And, profit share of Ayush = Rs. (a + 1000 + 1000)
ATQ,
 $\frac{a}{a+1000} = \frac{2}{3}$
a = 2000
So, from both statements it is not possible to find the amount invested by Ayush in the partnership.
Hence, statements (I) and (II) taken together are not sufficient to answer the question.

S159. Ans.(d)

Sol.

From I:
Let efficiency of a man be m units/day and y childrens are required to complete the work in 20 days.
ATQ,
 $(a+3) \times m \times (a+8) = (14+a) \times m \times 50$
 $a^2 + 11a + 24 = 700 + 50a$
 $a^2 - 39a - 676 = 0$
a = 52
Now,
 $55 \times m \times 60 = y \times .25m \times 20$
y = 660
From II: Let efficiency of a women be w units/day and x days are required to complete the work by a man
 $1.6w \times 1 \times x = 1 \times w \times 240$
x = 150
Now
 $25.m \times 20 \times y = 1 \times m \times 150$
y = 30 dyas
So, either statement (I) or statement (II) by itself is sufficient to answer the question.

S160. Ans.(a)

Sol.

$$\begin{aligned}\text{The profit greedy milkman earns from mixing water in milk} &= 8\frac{1}{3}\% \\ \text{So, the ratio of water and milk} &= 1:12 \\ \text{Ratio of water to mixture} &= 1:13 \\ \text{Quantity of water in mixture} &= 635 \times \frac{1}{13} = 48.84 \text{ ml}\end{aligned}$$

S161. Ans.(b)**Sol.**

Let A +B takes X days to complete the task

A take (X+4) days

B takes (X+16) days

Efficiency ratio of A and B = (X+16): (X+4)

So, $(2X+20) \times X = (X+4)(X+16)$

$$X^2 = 64$$

$$X = 8$$

S162. Ans.(c)**Sol.**

$$250y \times \left(\frac{100-x}{100}\right) \times \frac{108}{100} = 243y$$

$$=x=90$$

Discount offers = $(100-90)\% = 10\%$

$$\text{Marked price} = 4320 \times \frac{100}{108} \times \frac{100}{80} = \text{Rs. } 5000$$

S163. Ans.(d)**Sol.**

$$89\% \text{ of } 1000 + 4\% \text{ of } 5900 - \frac{15\% \text{ of } 5400}{45\% \text{ of } 60} + \frac{9}{5} \text{ of } 25 = ?$$

$$890 + 236 - 30 + 45 = ?$$

$$? = 1141$$

S164. Ans.(e)**Sol.**

$$(55 \times 25 + 79 \times 70) - 90 \times 20 = ?$$

$$? = 5105$$

S165. Ans.(e)**Sol.**

$$12 \times ? = \left(\sqrt[3]{2744} \times \frac{196}{14}\right) + 10\% \text{ of } 600$$

$$12 \times ? = (14 \times 14) + 60$$

$$? = 21.33 \approx 21$$

S166. Ans.(b)**Sol.**

$$. ?^3 = (90)^2 - (30)^2 + (7)^3 - (22)^2 + 122 - 322$$

$$?^3 = 6859$$

$$? = 19$$

S167. Ans.(a)**Sol.**

$$125\% \text{ of } 900 + 20\% \text{ of } 300 - 27 \times 100 = ?$$
$$-1515 = ?$$

S168. Ans.(b)**Sol.** As given, at station A ,80-person board and the ratio of male to female is 9: 7, therefore there will be 45 male and 35 female

Then at station B,15 men got down and 5 women board the train, therefore total men at station B be 30 and total female is 40

Then at station C, half of the women got down and same no. of men boarded the train, then total male will be 50 and total female will be 20

Finally at station D, x no. of male got down and ratio of male to female is 7 : 4, then total no. of male will be 35 and total female will be 20

STATION	Male	Female
A	45	35
B	30	40
C	50	20
D	50 - x = 35	20

Total males who does not have a valid ticket from Station B to C = $30 \times \frac{50}{100} = 15$ Total females who does not have a valid ticket from Station B to C = $40 \times \frac{60}{100} = 24$ Total invalid ticket travellers from Station B to C = $15 + 24 = 39$ **S169. Ans.(d)****Sol.** As given, at station A ,80-person board and the ratio of male to female is 9: 7, therefore there will be 45 male and 35 female

Then at station B,15 men got down and 5 women board the train, therefore total men at station B be 30 and total female is 40

Then at station C, half of the women got down and same no. of men boarded the train, then total male will be 50 and total female will be 20

Finally at station D, x no. of male got down and ratio of male to female is 7 : 4, then total no. of male will be 35 and total female will be 20

STATION	Male	Female
A	45	35
B	30	40
C	50	20
D	50 - x = 35	20

Total no. of females travelling from station B to C = 40

Total no. of males travelling from station D to E = 35

Required percentage = $\frac{40-35}{35} \times 100 = 14.28\% = 14\% \text{ (approx.)}$ **S170. Ans.(c)****Sol.** As given, at station A ,80-person board and the ratio of male to female is 9: 7, therefore there will be 45 male and 35 female

Then at station B,15 men got down and 5 women board the train, therefore total men at station B be 30 and total female is 40

Then at station C, half of the women got down and same no. of men boarded the train, then total male will be 50 and total female will be 20

Finally at station D, x no. of male got down and ratio of male to female is 7 : 4, then total no. of male will be 35 and total female will be 20

STATION	Male	Female
A	45	35
B	30	40
C	50	20
D	50 - x = 35	20

In Statement A,

Total no. of females travelling from station A to B=35

Total no. of males travelling from station D to E =35

Therefore, Statement A is true

In Statement B,

Total no. of passengers travelling from station C to D =70

Total no. of males who boarded from the starting point =45

Therefore, Statement B is false

In Statement C,

Difference between no. of males and females travelling from station D to E =35 -20 =15

Difference between no. of males and females travelling from station C to D = 50 -20 =30

Therefore, statement C is true

Therefore Statement A and C is true

S171. Ans.(e)

Sol.

ATQ,
 $x \times (x - 7) = (x + 5) \times (x - 8)$
 $x^2 - 7x = x^2 - 3x - 40$
 $x = 10$

Required time taken by (x-1) men to do the 2 times more work = $3 \times 10 \times \frac{10-7}{10-1} = 10 \text{ days}$.

S172. Ans.(d)

Sol.

ATQ,

$$\frac{\text{Speed of train A}}{\text{speed of train B}} = \sqrt{\frac{\text{time taken by train B to reach destination after crossing}}{\text{time taken by train A to reach destination after crossing}}}$$

$$\frac{\text{Speed of train A}}{\text{speed of train B}} = \sqrt{\frac{18}{8}} = \sqrt{\frac{9}{4}} = \frac{3}{2}$$

 So, speed of faster train = $20 \times \frac{3}{2} = 60 \text{ km/h}$

S173. Ans.(c)

Sol.

Let total profit in the partnership be Rs.100x.
 10% donate, rest profit = Rs. 90x
 10% for expenses, rest profit = Rs. 81x
 ATQ,
 Total profit gained by A and B together = $\frac{29}{5} \times 405 = 2349$
 So, total profit = $\frac{2349}{81} \times 100 = \text{Rs. } 2900$

S174. Ans.(d)

Sol.

ATQ,
 In 8 years, the investment becomes double at simple rate of interest.
 So,
 $480 = \frac{480 \times r \times 8}{100}$
 $r = 12 \frac{1}{2} \%$

Let investment in scheme A and Scheme B be y and z respectively.
 So,

$y \left\{ \left(1 + \frac{r}{100} \right)^2 - 1 \right\} - \frac{z \times r \times 4}{100} = 50$
 $y \left\{ \left(1 + \frac{12 \frac{1}{2}}{100} \right)^2 - 1 \right\} - \frac{z \times 12 \frac{1}{2} \times 4}{100} = 50$

$y \times \frac{17}{64} - \frac{z}{2} = 50$
 $17y - 32z = 3200 \dots\dots\dots(1)$

And $y + z = 4800 \dots\dots\dots(2)$
 On solving equations, I and II. We get

$P_1 = \text{Rs. } 3200$
 And $P_2 = \text{Rs. } 1600$

S175. Ans.(b)

Sol.

Let length, Breadth and height of a cuboid be 3x, 2x and x cm respectively.
 Its volume = 2058
 $3x \times 2x \times x = 2058$
 $x^3 = 343$
 $x = 7$
 So, its length, breadth and height are 21cm, 14cm and 7cm respectively.
 ATQ,
 If its length, breadth and height are increased by $14 \frac{2}{7} \%$, 50% and $42 \frac{6}{7} \%$ respectively.
 So, length becomes = $21 \times \frac{8}{7} = 24 \text{ cm}$
 Breadth = $14 \times \frac{3}{2} = 21 \text{ cm}$
 Height = $7 \times \frac{10}{7} = 10 \text{ cm}$
 Total surface area of cuboid becomes = $2(lb+bh+hl)$
 $= 2(24 \times 21 + 21 \times 10 + 10 \times 24)$
 $= 2 \times 954$
 $= 1908 \text{ cm}^2$.

S176. Ans.(b)

Sol.

Let amount invested by Pankaj in scheme - P & Q be Rs 500x & Rs.700x respectively.
 ATQ,
 $\frac{500x \times (R+6) \times 6}{100} + \frac{700x \times (R-7) \times 12}{100} = \frac{80}{100} \times (500x + 700x)$
 $960x = 30x(R + 6) + 84x(R - 7)$
 $R = 12$
 So, required value = $12 + 12 = 24$

S177. Ans.(a)

Sol.

Quantity of Milk in Container A = $\frac{x}{x+3} \times 400$
 Quantity of Water in Container A = $\frac{3}{x+3} \times 400$
 Quantity of Milk in Container B = $\frac{3}{5} \times 250 = 150$
 Quantity of Water in Container B = $\frac{2}{5} \times 250 = 100$

Quantity of Milk in Container C = $\frac{8}{13} \times (400 + 250) = 400$

ATQ,
 $\frac{x}{x+3} \times 400 + 150 = 400$
 $\frac{x}{x+3} = \frac{250}{400}$
 $\frac{x}{x+3} = \frac{5}{8}$
 So, $x = 5$

S178. Ans.(c)**Sol.**

$$\text{Quantity of Milk in Container A} = \frac{x}{x+3} \times 400$$

$$\text{Quantity of Water in Container A} = \frac{3}{x+3} \times 400$$

$$\text{Quantity of Milk in Container B} = \frac{3}{5} \times 250 = 150$$

$$\text{Quantity of Water in Container B} = \frac{2}{5} \times 250 = 100$$

$$\text{Quantity of Milk in Container A} = \frac{5}{8} \times 400 = 250 \text{ lit}$$

$$\text{Quantity of Milk in Container B} = \frac{3}{5} \times 250 = 150 \text{ lit}$$

Quantity of container A and B is mixed in another empty container D

Now, Quantity of milk in Container D = 60% of 250 + 60% of 150 = 240L

S179. Ans.(b)**Sol.**

Let cost price of the article be Rs.100x.

And, selling price of the article = Rs.96x

So, loss incurred on the article = Rs.4x

And, discount allowed on the article = Rs. 64x

So, marked price of the article = Rs.160x

$$\text{So, } P = \frac{160x - 100x}{100x} \times 100$$

$$= 60$$

$$\text{And, } R = \frac{160x - 96x}{160x} \times 100$$

$$= 40$$

$$\text{So, } \frac{P}{R} = \frac{60}{40}$$

$$= 1.5$$

S180. Ans.(e)**Sol.**

Given, Shivam saving = 16000 Rs.

$$\text{Share of son} = 16000 \times \frac{15}{100} = 2400 \text{ Rs.}$$

$$\text{Share of wife} = 2400 \times \frac{120}{100} = 2880 \text{ Rs.}$$

$$\text{Shivam total monthly income} = (16000 + 2880 + 2400) \times \frac{100}{76} = 28000 \text{ Rs.}$$

$$\text{Veer yearly income} = 28000 \times \frac{100}{70} \times 12 = 4.8 \text{ lakhs}$$

S181. Ans.(a)**Sol.**Probability of selecting a bag = $\frac{1}{2}$

Required probability of getting at least one dairy milk

$$= \frac{1}{2} \left(\frac{{}^{10}C_2}{{}^{15}C_2} + \frac{{}^{10}C_1 \times {}^5C_1}{{}^{15}C_2} \right) + \frac{1}{2} \left(\frac{{}^6C_2}{{}^{15}C_2} + \frac{{}^6C_1 \times {}^9C_1}{{}^{15}C_2} \right)$$

$$= \frac{1}{2} \left(\frac{45}{105} + \frac{50}{105} \right) + \frac{1}{2} \left(\frac{15}{105} + \frac{54}{105} \right)$$

$$= \frac{1}{2} \times \frac{95}{105} + \frac{1}{2} \times \frac{69}{105}$$

$$= \frac{95 + 69}{210} = \frac{164}{210} = \frac{82}{105}$$

S182. Ans.(a)**Sol.**

Let series S1: x, x + 2, x + 4, x + 6

largest number of series S2=(x+5)

So, series S2= x-1, x+1, x+3, x+5

$$\text{required difference} = \{(x + 1 + x + 2) - (x + x - 1)\} = 4$$

S183. Ans.(b)**Sol.**

Let man, his wife age, his elder son's age and his younger son's age is 20x, 3y, 9x and y respectively.

ATQ,

$$9x - y = 6 \dots(i)$$

$$20x + 3y + 9x + y = 26.5 \times 4 \dots(ii)$$

Solving (i) & (ii)

$$x = 2$$

$$y = 12$$

$$\text{his wife's age} = 12 \times 3 = 36$$

S184. Ans.(b)**Sol.**

Let Veer invests Rs. x. at 10% rate of interest for 2 years.

Quantity I.

$$x \times \left\{ \left(1 + \frac{10}{100} \right)^2 - 1 \right\} = \frac{(x+1500) \times 5 \times 3}{100}$$

$$\frac{21}{100}x - \frac{15}{100}x = 225$$

$$x = \text{Rs.}3750$$

Quantity II : Rs. 3800

So, Quantity II > Quantity I

S185. Ans.(b)**Sol.**

Since Total Work = 8x or 12y

$$\text{So, } 8x = 12y$$

$$\frac{x}{y} = \frac{3}{2}$$

Let x = 3a and y = 2a (while a is natural number)

Quantity I.

Let time taken by 10 men to complete the work is t days

$$\text{So, } 10 \times t = 8x$$

$$t = \frac{4}{5}x = \frac{12a}{5} \text{ days}$$

Quantity II.

Let time taken by 8 Women to complete the work is T days

$$\text{So, } 8 \times T = 12y$$

$$T = \frac{3}{2}y = 3a$$

So, Quantity II > Quantity I

S186. Ans.(e)**Sol.****Quantity I.**Radius of inscribed circle = $\frac{1}{3} \times \frac{\sqrt{3}}{2} \times \text{side of equilateral triangle}$

$$= \frac{1}{3} \times \frac{\sqrt{3}}{2} \times 20$$

$$= \frac{10}{\sqrt{3}} \text{ cm.}$$

Quantity II.One-third of altitude of triangle = $\frac{1}{3} \times \frac{\sqrt{3}}{2} \times \text{side of triangle}$

$$= \frac{1}{3} \times \frac{\sqrt{3}}{2} \times 20$$

$$= \frac{10}{\sqrt{3}} \text{ cm.}$$

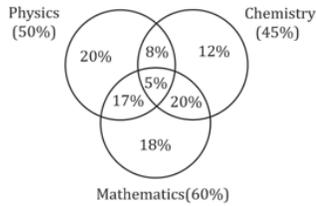
Quantity I = Quantity II

S187. Ans.(c)**Sol.**

Students who majored in both Physics and Chemistry only = $(45 - 12 - 20 - 5)\%$
= 8%

Students who majored in both Physics and Mathematics only = $(45 - 20 - 8)\%$
= 17%

Students who majored in Mathematics only = $(100 - 20 - 8 - 12 - 17 - 5 - 20)\%$
= 18%



(Venn Diagram showing % of students in various Subjects)
Total Students = 6000

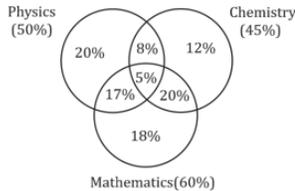
Students who have majored in only one subject = $(20 + 12 + 18)\%$ of 6000
= 50% of 6000
= 3000

S188. Ans.(c)**Sol.**

Students who majored in both Physics and Chemistry only = $(45 - 12 - 20 - 5)\%$
= 8%

Students who majored in both Physics and Mathematics only = $(45 - 20 - 8)\%$
= 17%

Students who majored in Mathematics only = $(100 - 20 - 8 - 12 - 17 - 5 - 20)\%$
= 18%



(Venn Diagram showing % of students in various Subjects)
Total Students = 6000

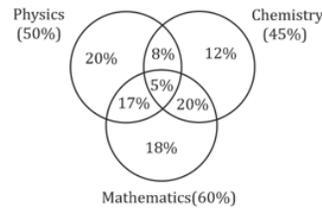
Students who have majored in Mathematics = $(17 + 5 + 20 + 18)\%$ of 6000
= 60% of 6000
= 3600

S189. Ans.(b)**Sol.**

Students who majored in both Physics and Chemistry only = $(45 - 12 - 20 - 5)\%$
= 8%

Students who majored in both Physics and Mathematics only = $(45 - 20 - 8)\%$
= 17%

Students who majored in Mathematics only = $(100 - 20 - 8 - 12 - 17 - 5 - 20)\%$
= 18%



(Venn Diagram showing % of students in various Subjects)
Total Students = 6000

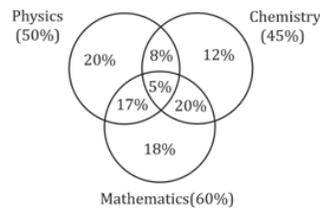
Students who have majored in only 2 subjects = $(17 + 8 + 20)\%$ of 6000
= 45% of 6000
= 2700

S190. Ans.(e)**Sol.**

Students who majored in both Physics and Chemistry only = $(45 - 12 - 20 - 5)\%$
= 8%

Students who majored in both Physics and Mathematics only = $(45 - 20 - 8)\%$
= 17%

Students who majored in Mathematics only = $(100 - 20 - 8 - 12 - 17 - 5 - 20)\%$
= 18%



(Venn Diagram showing % of students in various Subjects)
Total Students = 6000

Students who have majored in both Mathematics & Physics only = 17% of 6000 = 1020

Students who have majored in Physics = $(20 + 8 + 5 + 17)\%$ of 6000

= 50% of 6000

= 3000

required percentage = $\frac{1020}{3000} \times 100 = 34\%$

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