



DECODING **LIC HFL**

Junior Assistant 2026

- Vacancy Trend
- Ed. Qualification
- Salary
- Previous Year Paper
- Exam Pattern
- Age Limit
- Syllabus



Decoding LIC HFL Junior Assistant 2026

LIC HFL Junior Assistant Vacancy Trend

Year	Post	Vacancy
2026	Junior Assistant	180
2024	Junior Assistant	200
2022	Junior Assistant	80

LIC HFL Junior Assistant Important Dates

Event	Date
Notification Released	16 April 2026
Registration Start Date	16 April 2026
Registration Last Date	30 April 2026
Online Examination (Tentative)	First week of June 2026

LIC HFL Junior Assistant Education Qualification

Applicants should be **Graduates** in any discipline from a government-recognized university with a minimum of **55% aggregate** marks.

Candidates who have completed their education through correspondence, distance, or part-time courses are not eligible.

Candidates must have working **knowledge and basic operating skills in computer systems**

LIC HFL Junior Assistant Age Limit

Minimum Age	Maximum Age
21 Years	30 Years

LIC HFL Junior Assistant Application Fees

Category	Fees
Junior Assistant	800/-

LIC HFL Junior Assistant Selection Process

- Online Exam
- Interview

LIC HFL Junior Assistant Exam Pattern

Name of the Subjects	Number of questions	Maximum Marks	Duration
English Language	40	40	120 Minutes
Logical Reasoning	40	40	
General Awareness	40	40	
Numerical Ability	40	40	
Computer Skill	40	40	
Total	200	200	

- Negative marking- 0.25 Marks will be deducted for each wrong answer.

LIC HFL Junior Assistant Syllabus

English Language

- Reading comprehension
- Cloze test
- Phrase replacement
- Error detection
- Fillers
- Use of vocabulary
- Sentence rearrangement

Logical Reasoning

- Input Output
- Syllogism
- Statement & Conclusion
- Statement & Assumptions
- Number series
- Puzzle
- Seating arrangement
- Alphanumeric series
- Decision Making

Numerical Ability

- Number system
- Simplification and approximation
- Data Interpretation
- Quadratic equation
- Data sufficiency
- SI-CI
- LCM & HCF
- Age
- Profit & loss
- Percentage
- Ratio & Proportion
- Partnership



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- Mixture & allegation
- Time & work
- Pipes & cistern
- Time & distance
- Boats & streams
- Permutation & combination

General Awareness

- Current Affairs
- Budget
- Economic Survey
- Banking and Finance
- Financial Terms,
- People in News
- Awards
- Sports
- National Housing schemes
- National Housing regulations

Computer Awareness

- Basics of Computers
- Input & Output Devices
- MS Office (Word, Excel, PowerPoint)
- Internet and Networking
- Computer Abbreviations
- Software and Hardware Fundamentals
- Computer Security Basics



LIC HFL Junior Assistant Salary

Component	City Category I	City Category II	City Category III
Basic Pay	₹20,000	₹20,000	₹20,000
HRA	₹4,400	₹3,600	₹3,000
Other Benefits	₹8,400	₹7,600	₹7,000
Meal Coupons	₹5,040	₹5,040	₹5,040
PF (Company Contribution)	₹2,400	₹2,400	₹2,400
Mediclaime	₹1,119	₹1,119	₹1,119
Group Insurance	₹150	₹150	₹150
Total Monthly CTC	₹41,509	₹39,909	₹38,709
Total Annual CTC	₹4,98,108	₹4,78,908	₹4,64,508

LIC HFL Assistant Memory Based Paper 2019 - Question PDF

Directions (1-6): Read the following passage carefully and answer the questions given below it. Certain words are given in bold to help you locate them while answering some of the questions.

Chinese smartphone users have the world at their fingertips. With a few taps, they can order food, message their friends, send money, read the news, play games, hail a taxi, pay off utility bills, and more through a single app like WeChat. But there's a catch. All this convenience comes with a heavy price: their freedom and privacy. Thanks to China's Internet giants – Baidu, Tencent, and Alibaba – the authoritarian regime now has the means to monitor a user's every action, purchase, thought, and location in real-time. The Chinese government has long sought the means to more closely keep tabs on its citizens, but with smartphones, people are **voluntarily** logging their every move for the government. While tech titans like Google, Amazon, and Facebook have become essential to the daily lives of many Americans, their reach pales in comparison to their Chinese counterparts. This year, 79.1 percent of all smartphone users in China are expected to use WeChat, a messaging app, with nearly 500 million people using it at least once a month. To put that in perspective, that's more than the entire population of the United States, Canada, and Mexico combined.

But what makes WeChat's use so significant is how deeply integrated it is with a person's daily life. Far more than just a messaging app, WeChat is a hub through which Chinese smartphone users access the Internet and other services. In addition to its basic communication functions, WeChat enables users to order wine, check in for a flight, make a doctor's appointment, get banking statements, search for books at their local library, donate to charity, pay for things offline, and more. An American venture capitalist described WeChat as being "at every point of your daily contact with the world, from morning until night." Meanwhile, Alibaba China's equivalent of Amazon, delivers an average of 30 million packages a day, more than the U.S. Postal Service on its busiest day in history. In 2014, 86 percent of all shopping done on smartphones in China was through Alibaba. A byproduct from all this heavy use is a torrent of rich data that reveal highly-detailed specifics about each individual user. But unlike the United States, which has laws – imperfect as they may be – about when and how the government can access this type of data, no such **prohibitions** exist in China. Tech companies routinely hand their data to the government which has made no secret about its efforts to integrate that data into its surveillance apparatus.

With the help of a mobile phone company, police in the city of Guiyang are tracking the movements of migrant workers in real-time. And as part of its anti-corruption crackdown, officials are monitoring social media accounts to trace spending on wine and luxury goods. China's censors already **meticulously** monitor social media for taboo topics like criticizing the government or promoting democracy, and now they are going even further. The Chinese Ministry of Education has suggested cataloging the individual political sentiments of university students. By pulling data from library records, surveys, and social media posts they hope to create a political ideology database. But perhaps the most worrying development is the government's plan to create a "social credit" rating system. An individual's score will be determined by social, financial, and political behaviors that are drawn from a variety of databases. Infractions would include falling behind on bills, jaywalking, and violating family-planning rules. Those with low scores will have a harder time travelling, securing loans and insurance, and would be barred from privileges likes staying in a luxury hotel. Meanwhile, individuals like lawyers and journalists will be more closely monitored. According to government planning documents, the system will "allow the trustworthy to roam

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The rating system is currently being tested in 40 towns and cities across China with plans to expand it nation-wide by 2020. The elaborate social rating system envisioned by the Chinese government can be traced to the dang'an. Created under Chairman Mao, the dang'an, or personal file, contains an individual's grades, employment record, and reports on how they interact with others, their religious affiliations, psychological problems, and potential political liabilities. But the proposed rating system would take the dang'an to another level. The government can now add every purchase an individual makes online as well as their search history to their digital file. Purchasing certain products could potentially affect a person's score. In a **controversial** move, Alibaba's rating system Sesame Credit, which functions like eBay seller ratings, takes into account what a user buys online. "Someone who plays video games for 10 hours a day, for example, would be considered an idle person, and someone who frequently buys diapers would be considered as probably a parent, who on balance is more likely to have a sense of responsibility," said Li Yingyun, Sesame's technology director.

Q1. According to the passage, why does the convenience of using the Chinese smartphones comes with a heavy price?

- (I) they can do a large number of things like-messaging, reading news, paying bills etc.
 - (II) they don't have freedom to choose their course of life
 - (III) they are forced to lead a life full of restrictions and misery
- (a) Only (I)
 - (b) Only (III)
 - (c) Both (II) and (III)
 - (d) Both (I) and (III)
 - (e) None is true

Q2. Why does the WeChat is considered as the 'lifeline' of people in China?

- (a) because it can be used to order wine, book flight tickets, get banking statements, search books in library, donate to charity, pay things offline etc
- (b) because people are using WeChat for different activities from morning till night
- (c) as about 500 million people uses WeChat, a message app atleast once a month.
- (d) Both (b) and (c)
- (e) All of these

Q3. Why the government is planning to roll -out the concept of "social credit" rating system in China?

- (a) to calculate individual score for each individual
- (b) as the government will determine the social credit score on the basis of social, financial, and political behaviors
- (c) as the government will calculate social credit score from a variety of databases
- (d) as it will help track the people on the basis of social credit which will further decide various actions like travel, loan, insurance, etc.
- (e) Both (a) and (d)

Q4. The dang'an will indirectly slit the throat of the common people of China. What does it signify?

- (a) the people won't have any privacy of their personal data
- (b) they can't even use internet without the fear of being tracked down by some authority
- (c) they can't make any online purchase
- (d) both(a) and (b)
- (e) All of these

Q5. Which of the following statement is NOT TRUE in the context of the passage?

- (a) dang'an will be a kind of personal file
- (b) dang'an will keep track of individual's grades, employment record, etc
- (c) dang'an will maintain a record of an individual's religious affiliations, psychological problems, etc
- (d) dang'an will help the government to have an access over what purchase an individual has made online or know the search history of an individual's digital life
- (e) None of these

Q6. Give a suitable title for the passage.

- (a) China- The Superpower
- (b) The Dark Side of China's Tech Boom
- (c) The Gloomy world of We-Chat
- (d) China's Technical Advancement
- (e) None of these

Directions (7-8): Choose the word/group of words which is most SIMILAR in meaning to the word/group of words printed in bold as used in passage.

Q7. voluntarily

- (a) deliberately
- (b) absolutely
- (c) cheerfully
- (d) auditorily
- (e) admonitorily

Q8. prohibitions

- (a) interdiction
- (b) intervention
- (c) convention
- (d) accretion
- (e) impregnation

Directions (9-10): Choose the word/group of words which is most OPPOSITE in meaning to the word/group of words printed in bold as used in passage.

Q9. meticulously

- (a) ordinarily
- (b) sloppily
- (c) solitarily
- (d) statutorily
- (e) primarily

Q10. controversial

- (a) quintessential
- (b) circumstantial
- (c) anodyne
- (d) conspiratorial
- (e) bicentennial

Directions (11-15): Rearrange the following sentences (A), (B), (C), (D), (E), (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(A) But, equally, the benefits of reservation have not been distributed equitably, and large segments of the weaker sections and backward classes continue to have no access to quality education or meaningful employment.

(B) The introduction of the concept of 'creamy layer' to isolate the well-off among those eligible for reservation was initially perceived as an attempt to limit the benefits of reservation, and to politically divide the beneficiaries of reservation.

(C) There are inequalities and then there are inequalities within unequal entities.

(D) But, properly implemented, it could have had the effect of allowing a more equitable spread of the benefits of reservation.

(E) That reservation in jobs and education did address socio-economic disparities in India to some degree is true.

(F) The relatively rich and dominant sections among the backward castes have tended to take up a disproportionately larger share of the reservation pie.

Q11. Which of the following should be the **first** sentence after rearrangement?

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

Q12. Which of the following should be the **third** sentence after rearrangement?

- (a) A
- (b) D
- (c) B
- (d) E

Q13. Which of the following should be the **fifth** sentence after rearrangement?

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

Q14. Which of the following should be the **last** sentence after rearrangement?

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

Q15. Which of the following should be the **second** sentence after rearrangement?

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

Directions (Q16-25): Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is 'No error', the answer is (e). (Ignore errors of punctuation, if any.)

Q16. Why we do not (a)/ meet to discuss (b)/ this matter in detail (c)/ on next Friday? (d)/ No error. (e)

Q17. Had the opportunity (a)/ been given to him (b)/ he will have (c)/ proved successful (d). / No Error. (e)

Q18. Jamuna takes delight (a)/with music and (b)/hopes to become (c)/a successful musician. (d)/No error. (e)

Q19. In spite of toiling (a)/ very hardly he (b)/ realized that he had (c)/ not earned anything substantial. (d)/ No error. (e)

Q20. You should inform (a)/ your superiors about (b)/ all those events which are (c)/ directly related to your work. (d)/ No error. (e)

Q21. I warned him (a)/ for the danger (b)/ he was going (c)/ to face during the hiking. (d)/ No error. (e)

Q22. Had you informed me earlier (a)/ I would have (b)/ certainly purchase (c)/ the car from you. (d)/ No error. (e)

Q23. To our surprise (a)/ we noticed that (b)/ every soldier and every sailor (c)/ was in his place. (d)/ No error. (e)

Q24. I am certain that none (a)/ of these two books (b)/ is useful to the (c)/ students of the 8th standard. (d)/ No error. (e)

Q25. One should look for his (a)/ own faults first (b)/ and then for those (c)/ of others. (d)/ No error. (e)

Directions (26-30): In the following passage there are blanks, each of which has been numbered and one word has been suggested alongside the blank. These numbers are printed below the passage and against each, five options are given. In four options, one word is suggested in each option. Find out the appropriate word which fits the blank appropriately. If the word written alongside the blank fits the passage, choose option 'e' (No correction required) as the correct choice. (MODERATE)

India is known to grant titles of "strategic partnership" very **completely (196)**. It is not odd to hear foreign ambassadors and high commissioners in New Delhi **nagging (197)** about this peculiar Indian trait in private conversations. The relationship with Japan, however, is too special to be given the same **treatment (198)**. Therefore, the Indo-Japanese bilateral cooperation is carried out under the framework of a "special strategic and global partnership". The better part is that the **aspect (199)** of cooperation between the two countries is indeed impressive and therefore **denotes (200)** the unique nomenclature.

Q26. (a)grudgingly
(b)lavishly
(c)properly
(d)generously
(e) no improvement required

Q27. (a)grumbling
(b)perverting
(c)vexing
(d)bothering
(e) No improvement required

Q28. (a)attention
(b)reward
(c)allowance
(d)cooperation
(e) No improvement required

Q29. (a)demeanour
(b)presence
(c)pace
(d)anomaly
(e) No improvement required

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- Q30. (a) asserts
(b) justifies
(c) appeals
(d) boosts
(e) No improvement required

Directions (31-40): In each of the following sentences, a part of the sentence has been italicized. Below are given alternatives to the part italicized which may improve the sentence. Choose the correct alternative. Wherever no improvement is needed choose 'No correction required' as the answer.

- Q31. The people of the ancient Assyrian Empire **were renowned warriors, although they also crafted** some of the best-preserved ancient art.
(a) were renowned warriors, but also crafting
(b) had been renowned warriors, although they also crafted
(c) were renowned warriors, and also crafted
(d) was renowned warriors, although they also crafted
(e) No improvement

- Q32. The administration discussed **whether the number of students studying European languages was likely** to decline when the senior lecturer retired.
(a) whether the number of students studying European languages was liable
(b) whether the number of students studying European languages were likely
(c) if the students studying European languages were likely
(d) if the number of European language students were likely
(e) No improvement

- Q33. With the advent of YouTube, Facebook, and Flickr, many savvy political consultants undertook revolutionary micro-targeting and get-out-the-vote techniques that enabled political candidates with **cash-strapped budgets to be able to reach numerous likely voters and succeed in raising large numbers of money** from enthusiastic and committed supporters in a short period of time.
(a) cash-strapped budgets to be able to reach numerous likely voters and succeed in raising large amounts of money
(b) cash-strapped budgets to reach numerous likely voters and be successful in raising large amounts of money
(c) cash-strapped budgets to reach numerous likely voters, succeeding in raising large amounts of money
(d) cash-strapped budgets to reach numerous likely voters and succeed in raising large amounts of money
(e) No improvement

- Q34. Among the litany of threats that many Israelis face, the potential for a nuclear-armed Iran is **perhaps the more** scary as this scenario could engulf the region in a violent war. This would likely result in historically unseen amounts of destruction, even for a region whose history is marred by perennial violence.
(a) possibly the great
(b) perhaps the most
(c) possibly, perhaps the most
(d) possibly the greatest

Q35. With his sub-four minute mile Bannister broke a psychological barrier, **inspiring thousands of others to attempt overcoming** seemingly insurmountable hurdles.

- (a) and inspired thousands of others to attempt overcoming
- (b) inspiring thousands of others to attempt to overcome
- (c) inspiring thousands of others to overcome
- (d) and inspired thousands of others to attempt to overcome
- (e) No improvement

Q36. It was **until many years** later that Che Guevera became a rebel against authority.

- (a) It was not until many years
- (b) It was not many years
- (c) Until It was many years
- (d) It was till many years
- (e) No correction required

Q37. The quality of food at the restaurant was rather **worst than I had expected**.

- (a) worst than was expected
- (b) worse than I had expected
- (c) bad as I had expected
- (d) worse than expectation
- (e) No correction required

Q38. Their earnings are such that they find it difficult **to make both ends to meet**.

- (a) to make both ends meet
- (b) to makings both ends meet
- (c) for making both ends to meet
- (d) to make both ends for meeting
- (e) No correction required

Q39. The accused now flatly denies **have admitted** his guilt in his first statement.

- (a) had admitted
- (b) has admitting
- (c) have been admitting
- (d) having admitted
- (e) No correction required

Q40. No sooner **he had arrived** home than he was asked to start another journey.

- (a) has he arrived
- (b) he has arrived
- (c) had he arrived
- (d) he had arrived

Directions (41-45): In each of the questions given below four words are given in bold. These words may or may not be in their correct position. Following each sentence four sequences are provided. Select the sequence of the words which will make the given sentence contextually meaningful. If the words are correct at their current position then choose option (e) as your answer.

Q41. The Supreme Court **commit** (A) the need to find a balance between the right to **detect** (B) privacy and the right of the State to **online** (C) people who use the web to spread panic and **stressed** (D) crimes.

- (a) BADC
- (b) DCBA
- (c) BADC
- (d) CADB
- (e) No interchange required

Q42. Lawyers pointed out that a nine-judge Constitution **Bench** (A) had declared privacy as a **constitution** (B) right associated with life and **dignity** (C) under Article 21 of the **fundamental** (D)

- (a) BADC
- (b) DCBA
- (c) BADC
- (d) ADCB
- (e) No interchange required

Q43. The **internal** (A) Register of Citizens process, now under **way** (B) in Assam, is **minister** (C) to India, External Affairs **National** (D) S. Jaishankar said in Dhaka.

- (a) No interchange required
- (b) DBAC
- (c) BACD
- (d) CADB
- (e) BADC

Q44. Facebook **misuse** (A) that there were four **petitions** (B) two in the Madras High Court and one **contended** (C) in the Bombay and the Madhya Pradesh High Courts on the **each** (D) of Facebook issue.

- (a) BADC
- (b) DCBA
- (c) BADC
- (d) CBDA
- (e) No interchange required

Q45. A nerve-wracking **manoeuvre** (A) performed from the ISRO's Mission **planned** (B) Complex **ensured** (C) that Chandrayaan-2, slid precisely into its **Operations** (D) orbit

- (a) BADC
- (b) DCBA
- (c) ADCB
- (d) CADB

Directions (46-50): Each question below has one blank, which is indicating that something has been omitted. Find out which option can be used to fill up the blank in the sentence to make it grammatically as well as contextually correct.

Q46. As a one-shot portal for public information on government programmes, the JSP can advance the _____ of transparency.

- (a) risk
- (b) objective
- (c) remains
- (d) release
- (e) websites

Q47. India's record in promoting occupational and industrial safety remains weak even with years of _____ economic growth.

- (a) regressive
- (b) forgotten
- (c) abandoned
- (d) robust
- (e) hazardous

Q48. While it is _____ that the lander failed to safely touchdown, it is apt to remember that ISRO was attempting powered landing for the first time.

- (a) extended
- (b) accomplished
- (c) unfortunate
- (d) predetermined
- (e) explored

Q49. Mr. Xi has _____ on an aggressive policy aimed at China's economic, technological and strategic dominance.

- (a) underscored
- (b) prolonged
- (c) embarked
- (d) dithered
- (e) alleged

Q50. Communication networks in the Jammu region of the newly created Union Territory have been _____ restored.

- (a) morally
- (b) substantially
- (c) severely
- (d) nationally

Directions (51-55): Study the given information carefully and answer the given questions.

Eight persons P, Q, R, S, T, U, V and W are sitting in a circular table facing outside the center but not necessarily in the same order. R is not sit opposite to W. Two persons sit between P and T. W sits second to the right of T. Both Q and S are sitting opposite to each other. Both W and Q are not adjacent to each other. V sits immediate left of P.

Q51. How many persons are sitting between Q and R when counted clockwise direction from Q?

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

Q52. Who among the following person is immediate neighbour of W and V?

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

Q53. Who among the following person sits third to the left of V?

- (a) W
- (b) S
- (c) T
- (d) R
- (e) U

Q54. Who among the following person sits opposite to R?

- (a) U
- (b) P
- (c) V
- (d) W
- (e) None of these

Q55. If in some way S is related to P, and W is related to V, then who among the following is related to R?

- (a) S
- (b) Q
- (c) U
- (d) P

Direction (56-60): In each of the questions below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.

Q56. Statements: Some Tricky is Puzzle
Some Tricky is Circular
No Circular is Rectangle
Conclusion: I. All Tricky can be Circular
II. Some Rectangle can be Puzzle

Q57. Statements: Only a few Lotus are Flower
Some Flower are Solutions
All Solutions are Details
Conclusions: I. All Flower are Lotus is a possibility
II. Some Details can be Flower

Q58. Statements: No Economy is Physics
No Physics is Chemistry
Only a few Chemistry are Hindi
Conclusions: I. All Chemistry can be Hindi
II. Some Hindi are not Physics

Q59. Statements: Only Nokia is Redmi
Some Nokia are Samsung
No Samsung is Apple
Conclusions: I. Some Samsung can be Redmi
II. Some Apple are Nokia

Q60. Statements: Some Adda are Cloud.
Some Cloud are Study
Some Study are Today
Conclusions: I. Some Study are Adda
II. No Study are Adda

Directions (61-65): Answer the following questions referring to the information given below:

O 1 2 P % H & Z A R 3 4 S N I \$ J K \$ U V G * Q Y @ B F # 5 7 E L M # @ T W X 2 D

Q61. How many numbers are there which are immediately preceded by a number and immediately followed by a letter?

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

Q62. Which of the following element is third to left of sixth element from left end?

- (a) P
- (b) %
- (c) 2
- (d) &
- (e) H

Q63. Which of the following element is the fifth to the right of thirteenth element from left end?

- (a) J
- (b) K
- (c) \$
- (d) U
- (e) I

Q64. How many letters are there which are immediately followed by a number?

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

Q65. Which of the following element is Fourth to the right of Eight element from the right end?

- (a) W
- (b) T
- (c) X
- (d) @
- (e) #

Direction (66-70): In each of the questions below are given some statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

- (a) If only conclusion I follows.
 (b) If only conclusion II follows.
 (c) If either conclusion I or II follows.
 (d) If neither conclusion I nor II follows.
 (e) If both conclusions I and II follow.

Q66. Statements: $P > Q \geq R$; $R = K > J$; $J < N$

Conclusion I: $P > N$ **II:** $N \geq R$

Q67. Statements: $Q < E = R$; $R = V > G \geq F$; $F > M$

Conclusion I: $Q \geq F$ **II:** $E > M$

Q68. Statements: $Z < V > N$; $N = E > T$; $T \geq J$

Conclusion I: $Z > E$ **II:** $V \geq J$

Q69. Statements: $Q \leq E$; $E > R \geq T$; $T > V$

Conclusion I: $E > V$ **II:** $V \geq Q$

Q70. Statements: $Z > C$; $C < D > R$; $R \geq H \geq K$

Conclusion I: $Z > R$ **II:** $D \geq K$

Directions (71-75): Study the following information carefully and answer the questions given below:

Seven friends A through G are going to Zoo on different days of the same week starting from Monday but not necessarily in the same order. C goes to Zoo before Wednesday. No one goes Zoo between G and F. Only two persons are going to Zoo between C and G. Three persons are going to Zoo between A and D. Neither A nor D going for Zoo on Tuesday. No one goes to Zoo between D and B. B goes before D but after F. Three persons are going for Zoo between E and B.

Q71. Who among the following goes on Friday?

- (a) D
 (b) B
 (c) A
 (d) G
 (e) None of these

Q72. How many persons are going Zoo between C and E?

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



Q73. Who among the following goes Zoo just after A?

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

Q74. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

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

Q75. On which of the following day B Goes?

- (a) Sunday
- (b) Saturday
- (c) Tuesday
- (d) Thursday
- (e) Wednesday

Direction (76-80): Study the following information carefully and answer the questions given below:

In a certain code language:

“Out is Climate Action ” is coded as “to ck zg lm”

“Out is of Politics ” is coded as “tp lm to mp”

“Politics is likely about” is coded as “ tp lm cz tz”

“Action about global climate of ”is coded as “yo mp ck tz zg”

Q76. What is the code of “Politics” as per the given code language?

- (a) lm
- (b) to
- (c) tp
- (d) ck
- (e) zg

Q77. Which of the following word may have the code of “Climate action about”?

- (a) mp ck zg
- (b) ck zg tz
- (c) mp ck lm
- (d) ck lm zg

Q78. What may be the possible code of “Climate is likely” as per the given code language?

- (a) sl to lm
- (b) sl tp cz
- (c) mp tp lm
- (d) cz lm to
- (e) lm cz ck

Q79. Which of the following words have the code of “to tp lm mp”?

- (a) likely about global is
- (b) about climate action of
- (c) out of global action
- (d) Politics is out of
- (e) Politics is likely of

Q80. What may be the possible code of “global action” as per the given code language?

- (a) mp yo
- (b) yo zg
- (c) tz lm
- (d) yo tp
- (e) to tp

Direction (81-85): Study the following information carefully and answer the questions given below:
364 762 908 576 789 232

Q81. What will be the result, If Second digit of all the numbers are added and then multiplied by 3?

- (a) 48
- (b) 60
- (c) 90
- (d) 62
- (e) None of these

Q82. If first and Last digit of all the numbers are interchanged and then, all the numbers are arranged in increasing order from right to left, then which number would be third from the left?

- (a) 364
- (b) 576
- (c) 789
- (d) 232
- (e) None of these

Q83. What is the resultant number formed, if all the Third digits of numbers are added and then subtracted from the last number?

- (a) 329
- (b) 546
- (c) 402
- (d) 201

Q84. If all the numbers are arranged in increasing order from left to right, then which of the following number is 3rd from the left?

- (a) 762
- (b) 908
- (c) 364
- (d) 576
- (e) 232

Q85. If first and second digits of all numbers are interchanged and all the numbers are then arranged in increasing order from left to right, then which number will be third from the right?

- (a) 364
- (b) 762
- (c) 789
- (d) 232
- (e) None of these

Direction (86-90): Study the following information carefully and answer the questions given below:

Ten persons are sitting in two parallel rows containing five persons in each row in such a way that there is an equal distance between adjacent persons. In the first row, M, N, O, P, and Q are seated and all of them are facing south. In the second row, K, L, A, B and C are seated and all of them are facing north. Therefore, in the given seating arrangement, each member seated in a row faces another member of the other row. K faces to the one who sits immediate to the right of O. K sits 2nd from one of the ends of the row. N faces the one who sits 3rd to the right of B. Only one person sits between A and L, who faces M. More than one person sit between Q and N. C sits to the right of K.

Q86. How many persons sit between C and B?

- (a) Two
- (b) Three
- (c) None
- (d) One
- (e) Can't be determined

Q87. Who among the following faces to O?

- (a) A
- (b) K
- (c) C
- (d) B
- (e) Can't be determined

Q88. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- (a) C
- (b) L
- (c) M
- (d) Q

Q89. Who among the following faces the one who sits 2nd to the left of C?

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

Q90. Who among the following sits 3rd to the right of N?

- (a) M
- (b) P
- (c) O
- (d) Q
- (e) Can't be determined

Direction (91-93): Study the following information carefully and answer the questions given Below:

There are Seven persons A, B, C, D, E, F, and G live in a family two are married couples. E is the mother-in-law of D. F is the grandson of A. C is the sister-in-law of D. G is the son of B. B is not the father of F. A is not the grandmother of G. C is unmarried. A is not married with B.

Q91. What is the relation of B with respect to G?

- (a) daughter in law
- (b) Daughter
- (c) Son
- (d) Father
- (e) Mother

Q92. How many female members are in the family?

- (a) Two
- (b) Three
- (c) Four
- (d) One
- (e) Five

Q93. What is the relation of A with respect to C?

- (a) Son
- (b) Daughter
- (c) Sister
- (d) Mother

Directions (94-96): Study the following information carefully and answer the questions given below:

Point Z is 10m to the East of point A. Point F is 10m to the North of point Z. Point F is 10m to the West of Point C. Point B is 5m to the South of Point C. Point B is 10m to the West of Point Q. Point P is 5m to the South of Point Q.

Q94. In which direction is point F with respect to point P?

- (a) North
- (b) East
- (c) West
- (d) North-West
- (e) None of these

Q95. What is the shortest distance between Point F and Point B?

- (a) $5\sqrt{5}$ m
- (b) $2\sqrt{5}$ m
- (c) 5m
- (d) 10m
- (e) None of these

Q96. In which direction is point Z with respect to point C?

- (a) North
- (b) East
- (c) West
- (d) South-West
- (e) None of these

Q97. How many such numerals are there in the number '4728468472' which will remain at the Same position when they are arranged in ascending order from right to left?

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

Q98. If it is possible to make only one meaningful word with the 1st ,2nd ,4th and 7th letters of the word 'PERPENDICULAR' which would be the second letter of the word from the right? If more than one such word can be formed give 'Y' as the answer. If no such word can be formed, give 'Z' as your answer.

- (a) Y
- (b) E
- (c) P
- (d) Z

Directions (99-100): 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 statements are sufficient to answer the question. Read both the statements.

Give answer:

- (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 in both statements I and II together are not sufficient to answer the question
- (e) If the data in both statements I and II together are necessary to answer the question

Q99. How is Sumit related to Neha?

I. Vivek is the son of Neha. Pooja is the Mother in law of Neha. Bob is the husband of Pooja. Neha is aunt of Ankur.

II. Pooja has two sons. Ankur is the brother of Sumit. Bob is the father of Ankur.

Q100. In which direction is Point C with respect to Point D?

I. Point A is 10m to the North of Point C. Point C is 10m to the West of Point B. Point E is 10m to the North of Point B.

II. Point F is 10m to the East of Point E. Point D is 10m to the North of Point F.

Q101. Who is the author of the book named "Not Just A Nightwatchman: My Innings with BCCI"?

- (a) Saurav Ganguli
- (b) VVS Laxman
- (c) Vinod Rai
- (d) Jay Shah
- (e) Anurag Thakur

Q102. Which among the following has launched an initiative "AVSAR" to encourage the talent of women, artisans, and craftsmen and provide them with the right opportunities?

- (a) Food Safety Standards Authority of India
- (b) Airports Authority of India
- (c) NASSCOM
- (d) ASSOCHAM
- (e) Ministry of Women and Child Development

Q103. According to the UN Food and Agriculture Organization (FAO), the World food price index averaged 159.3 points in March, breaking an earlier record of 137.6 points scaled 11 years ago in February 2011. In which year, Food and Agriculture Organisation was founded?

- (a) 1965
- (b) 1958
- (c) 1945
- (d) 1996

Q104. The Defence Research and Development Organisation (DRDO) successfully flight tested the “Solid Fuel Ducted Ramjet” (SFDR) booster at the Integrated Test Range (ITR), Chandipur off the coast of Odisha. “Solid Fuel Ducted Ramjet” is jointly developed by India and which country?

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

Q105. In which city has the Union Home and Cooperation Minister, Amit Shah inaugurated the newly built National Tribal Research Institute (NTRI)?

- (a) Pune
- (b) Indore
- (c) Gwalior
- (d) New Delhi
- (e) Mumbai

Q106. What is the name of the Indian women’s cricket team captain who has announced her retirement from all forms of international cricket recently?

- (a) Smriti Mandhana
- (b) Jhulan Goswami
- (c) Harmanpreet Kaur
- (d) Mithali Raj
- (e) None of these

Q107. ‘Namami Gange Programme’, is an Integrated Conservation Mission, approved as ‘Flagship Programme’ by the Union Government in June 2014 to accomplish the twin objectives of effective abatement of pollution, conservation and rejuvenation of National River Ganga. What was the financial outlay of ‘Namami Gange Programme’?

- (a) Rs 10,000 Crore
- (b) Rs 15,000 Crore
- (c) Rs 20,000 Crore
- (d) Rs 30,000 Crore
- (e) Rs 35,000 Crore

Q108. Which of the state has retained its number one spot in the SKOCH State of Governance rankings for the second consecutive year?

- (a) Odisha
- (b) Uttar Pradesh
- (c) Andhra Pradesh
- (d) Tamil Nadu

Q109. Which nation has taken first place in the medal standings at the ISSF World Cup 2022 in Cairo, organised by the International Shooting Sport Federation?

- (a) Germany
- (b) China
- (c) Japan
- (d) India
- (e) Canada

Q110. Which state government announced a special scheme 'Mukhyamantri Chaa Srami Kalyan Prakalpa' for tea workers?

- (a) Assam
- (b) Uttarakhand
- (c) Tripura
- (d) Meghalaya
- (e) Mizoram

Q111. Debasish Panda has been appointed as the chairman of the Insurance Regulatory and Development Authority of India (IRDAI). Where is the headquarters of IRDAI?

- (a) New Delhi
- (b) Mumbai
- (c) Hyderabad
- (d) Mumbai
- (e) Chennai

Q112. Competition Commission of India approved the acquisition of _____ percent share capital of L&T Investment Management Ltd by HSBC Asset Management Private Limited".

- (a) 75%
- (b) 25%
- (c) 40%
- (d) 51%
- (e) 100%

Q113. 'Vigil' is a planned solar weather mission by the European Space Agency. 'Vigil' was formerly known as _____?

- (a) Lagrange
- (b) Galilei
- (c) Gaspare
- (d) Ulisse
- (e) Jacopo

Q114. Which bank tied-up with Emirates Skywards to launch a range of co-branded credit cards named “Emirates Skywards Credit Card”?

- (a) YES Bank
- (b) Axis Bank
- (c) HDFC Bank
- (d) ICICI Bank
- (e) Kotak Mahindra Bank

Q115. Which of the following statements are correct regarding “Pradhan Mantri Jan-Dhan Yojana”.

(A) Pradhan Mantri Jan-Dhan Yojana was launched by the Prime Minister of India Narendra Modi on 28 August 2014.

(B) No interest is earned on PMJDY account.

(C) An overdraft facility up to Rs. 20,000 to eligible account holders is available.

- (a) All A, B & C
- (b) Both B & C
- (c) Only A
- (d) Only C
- (e) None of the statements is correct.

Q116. To promote self-sustainability and artisanal creativity, the Khadi and Village Industries Commission (KVIC) launched which sort of Pashmina?

- (a) Kalamkari Pashmina
- (b) Banarasi Pashmina
- (c) Lucknowi Pashmina
- (d) Hyderabad Pashmina
- (e) Bengali Pashmina

Q117. The Bhima Bhoi Chair at Delhi University and Guru Ghasidas Vishwavidyalaya in Bilaspur, Chhattisgarh, has been authorised by the University Grants Commission. Bhima boi was a _____?

- (a) Singer
- (b) Dancer
- (c) Footballer
- (d) Journalist
- (e) Saint

Q118. Patrick Achi has been re-appointed as Prime Minister of which country?

- (a) Burkina Faso
- (b) Mali
- (c) Liberia
- (d) Ivory Coast

Q119. Which state has become the first state in India to launch a bus service with a totally digital ticketing system?

- (a) Gujarat
- (b) Maharashtra
- (c) Uttar Pradesh
- (d) Odisha
- (e) West Bengal

Q120. For the collection of taxes, Which Bank has recently signed a memorandum of understanding with the Central Board of Direct Taxes and the Central Board of Indirect Taxes and Customs?

- (a) Karnataka Bank
- (b) Maharashtra Bank
- (c) Dhanlaxmi Bank
- (d) Lakshmi Vilas Bank
- (e) Bank of Baroda

Q121. Startup India Seed Fund Scheme (SISFS) aims to provide financial assistance to startups for proof of concept, prototype development, product trials, market-entry, and commercialization. On which date, the SISFS scheme was launched?

- (a) 19 April 2021
- (b) 1 April 2020
- (c) 19 April 2020
- (d) 19 March 2020
- (e) 19 April 2019

Q122. Barren Island Wildlife Sanctuary was established in the year 1977 to preserve the wildlife and the ecosystem of the region. It is located in which Indian state/Union Territory?

- (a) Puducherry
- (b) Andaman Nicobar
- (c) Jammu & Kashmir
- (d) Ladakh
- (e) Kerala

Q123. India's retail inflation, as measured by the consumer price index (CPI), accelerated to 6.01% in the month of January, breaching the Reserve Bank of India (RBI) tolerance band of 6%, Which statement is/are Incorrect regarding CPI?

- (i) It measures price changes from the perspective of a retail buyer.
 - (ii) It is released by RBI.
 - (iii) Base Year for CPI is 2010
- (a) Only (i)
 - (b) Only (i) & (ii)
 - (c) Only (iii)
 - (d) Only (ii) & (iii)

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Q124. Which state's legislature made history by becoming the first in the country to implement the National e-Vidhan Application (NeVA) program to go paperless?

- (a) Mizoram
- (b) Karnataka
- (c) Kerala
- (d) Nagaland
- (e) Meghalaya

Q125. With a view to boosting exports and job creation in the textile sector, the government has approved the continuation of the Scheme for Rebate of State and Central Taxes and Levies (RoSCTL) till which date for exports of apparel/garments and made-ups?

- (a) March 31, 2023
- (b) March 31, 2024
- (c) March 31, 2025
- (d) March 31, 2026
- (e) December 31, 2024

Q126. Which company has built Y- 3023 Dunagiri, the 4th ship under the P17A project?

- (a) Garden Reach Shipbuilders Limited
- (b) Mazagon Dock Limited
- (c) Cochin Shipyard Limited
- (d) Hindustan Shipyard Limited
- (e) San Marine Ship Yard

Q127. FIFA has unveiled La'eeb as the official mascot for this year's FIFA World Cup Qatar 2022. La'eeb word which means super-skilled player, is taken from which language?

- (a) Portuguese
- (b) French
- (c) Arabic
- (d) German
- (e) Latin

Q128. The parliament of which country has unanimously approved the appointment of Alikhan Smailov who served as the country's finance minister from 2018 to 2020, as the new Prime Minister of the country?

- (a) Kyrgyzstan
- (b) Kazakhstan
- (c) Turkmenistan
- (d) Uzbekistan
- (e) Tajikistan

Q129. Which state has been chosen by the World Health Organisation for the World No Tobacco Day (WNTD) Award-2022, in recognition of the state's efforts to reduce tobacco usage?

- (a) Chhattisgarh
- (b) Jharkhand
- (c) Madhya Pradesh
- (d) Bihar

Q130. The United States overtook China to become India's top trading partner in 2021-22, reflecting strong economic ties between the two countries. Which country is India's third-largest trading partner with USD 72.9 billion?

- (a) Saudi Arabia
- (b) UAE
- (c) Singapore
- (d) Iraq
- (e) China

Q131. Who has been conferred the V. Shantaram Lifetime Achievement Award in the 17th edition of the Mumbai International Film Festival of India (MIFF 2022)?

- (a) Sanjit Narwekar
- (b) Shoojit Sarkar
- (c) Prabhat Patnaik
- (d) Sini Shetty
- (e) Ashok Soota

Q132. Where is the headquarters of the Coalition for Disaster Resilient Infrastructure (CDRI)?

- (a) Berlin, Germany
- (b) Washington DC, America
- (c) Rome, Italy
- (d) New Delhi, India
- (e) Singapore

Q133. Under the provisions of Section 19(1) of the Banking Regulation Act, 1949, banks may form subsidiary companies for undertaking types of banking business like hire/purchase business and Mutual Fund business. It is called which type of banking?

- (a) Narrow Banking
- (b) Offshore Banking
- (c) Retail Banking
- (d) Para Banking
- (e) Universal Banking

Q134. Which of the following is/are the functions of the Reserve Bank of India?

- (A) It performs merchant banking function for the central and the state governments, also acts as their banker.
 - (B) The Reserve Bank of India Manages the Foreign Exchange Management Act, 1999.
 - (C) Prescribing broad parameters of banking operations within which the country's banking and financial system functions.
- (a) Only A & C
 - (b) Both A & B
 - (c) Only A
 - (d) All A, B & C

Q135. Shahabuddin Ahmed passed away at the age of 92. He was the former President of which country?

- (a) Sri Lanka
- (b) Afghanistan
- (c) Pakistan
- (d) Syria
- (e) Bangladesh

Q136. Which group in partnership with the Department of Science & Technology (DST), GoI hosted the 28th edition of the its Technology Summit recently?

- (a) The National Association of Software and Service Companies
- (b) Associated Chambers of Commerce and Industry
- (c) Confederation of Indian Industry
- (d) All India Sugar Trade Association
- (e) Indian Bank's Association

Q137. Which bank has tied up with Ambit Finvest for financing to Micro, Small and Medium Enterprise (MSME) customers?

- (a) Bank of Baroda
- (b) Axis Bank
- (c) Union Bank of India
- (d) IndusInd Bank
- (e) HDFC Bank

Q138. Which institute developed Biodegradable nanoparticle that can be used as an alternative to chemical-based insecticides to protect crops from bacterial and fungal illnesses?

- (a) IIT Kanpur
- (b) IIT Madras
- (c) IIT Bombay
- (d) IIT Roorkee
- (e) IIT Delhi

Q139. Who has won the Formula 1 (F1) Grand Prix (GP) De Monaco 2022 with 25 points, held at Circuit de Monaco, Europe?

- (a) Max Verstappen
- (b) Lewis Hamilton
- (c) Sebastian Vettel
- (d) Carlos Sainz
- (e) Sergio Perez

Q140. What is the name of the state-of-the-art supercomputer at IIT Gandhinagar dedicated to the nation under the National Supercomputing Mission (NSM)?

- (a) Param Ahinsa
- (b) Param Shakti
- (c) Param Ananta
- (d) Param Siddhi

Q141. NTPC Dadri or National Capital Power Station (NCPS) owned and operated by NTPC is located in

- (a) Madhya Pradesh
- (b) West Bengal
- (c) Uttar Pradesh
- (d) Haryana
- (e) None of these

Q142. What is the currency of Vietnam?

- (a) Vietnamese ruble
- (b) Vietnamese dinar
- (c) Vietnamese euro
- (d) Vietnamese won
- (e) Vietnamese dong

Q143. Ujjain is the largest city in Ujjain district of the Indian state of Madhya Pradesh and city is situated on which bank of river?

- (a) Vishwamitri River
- (b) Shipra River
- (c) Tungabhadra River
- (d) Sutlej River
- (e) None of these

Q144. Daph dance is one of the popular folk dances of which state?

- (a) Bihar
- (b) Maharashtra
- (c) Haryana
- (d) Uttar Pradesh
- (e) None of these

Q145. Thae Pongal is a harvest festival celebrated in which state?

- (a) Tamil Nadu
- (b) Telangana
- (c) Kerala
- (d) Odisha
- (e) None of these

Q146. The Jigme Dorji National Park is the second-largest National Park of which country?

- (a) Bhutan
- (b) Japan
- (c) Sri Lanka
- (d) Nepal

Q147. The Kodiveri Dam is located on the Bhavani river near Gobichettipalayam in which state?

- (a) Karnataka
- (b) Tamil Nadu
- (c) Andhra Pradesh
- (d) Telangana
- (e) None of these

Q148. The Hasdeo Thermal Power Station or Korba West Thermal Power Station is coal-fired power station in which state?

- (a) Rajasthan
- (b) Uttarakhand
- (c) Himachal Pradesh
- (d) Chhattisgarh
- (e) Haryana

Q149. Corbett National Park is situated in which state?

- (a) Uttarakhand
- (b) Jammu and Kashmir
- (c) New Delhi
- (d) Haryana
- (e) Uttar Pradesh

Q150. Who is the Jal Shakti minister of India?

- (a) Smt. Harsimrat Kaur Badal
- (b) Jagat Prakash Nadda
- (c) Gajendra Singh Shekhawat
- (d) Ramvilas Paswan
- (e) None of these

Directions (151-155): What should come in place of the question mark (?) in the following series.

Q151. 17 , 9 , 10 , 16.5 , 35 , ?

- (a) 90
- (b) 90.5
- (c) 94.5
- (d) 91.5
- (e) 92

Q152. 20, 26, 38, 56, 80, ?

- (a) 128
- (b) 110
- (c) 124
- (d) 130

Q153. 110, ?, 102, 126, 94, 134

- (a) 112
- (b) 96
- (c) 118
- (d) 120
- (e) 92

Q154. 7, 35, 140, 420, ?, 840

- (a) 700
- (b) 940
- (c) 640
- (d) 840
- (e) 640

Q155. 120, 59, 28.5, 13.25, ?

- (a) 5.265
- (b) 6.625
- (c) 5.625
- (d) 5.526
- (e) 6.645

Q156. D and E together complete a work in 15 days. E and F together complete a work in 20 days and F and D also complete the same work in 30 days. Find in how many days D will complete the same work alone.

- (a) 25 days
- (b) 40 days
- (c) 10 days
- (d) 50 days
- (e) 30 days

Q157. Present ages of R and P is 28:23 respectively. Present age of S is $7\frac{1}{7}\%$ more than the present age of R. find the present age of S if the average age of P and S is 53 years.

- (a) 60 years
- (b) 46 years
- (c) 32 years
- (d) 56 years
- (e) 72 years

Q158. A shopkeeper marked an article 60% above the cost price & sold it after two consecutive discount 20% and 25%. Find the marked price, if the difference between selling price and cost price is Rs. 220.

- (a) Rs. 4,800
- (b) Rs. 5,800
- (c) Rs. 8,800
- (d) Rs. 7,800

Q159. Two trains running in opposite direction and cross a pole in 25 seconds and 32 seconds respectively. If cross each other in 28 seconds, then find the ratio of their speed.

- (a) 4: 5
- (b) 2: 1
- (c) 2: 3
- (d) 4:3
- (e) 1: 3

Q160. Mukesh invests Rs.2Z in simple interest at the rate of 20% p.a. for X years & receive simple interest as Rs. Z. If Sonu invest Rs. 3z under simple interest at the rate of Y % p.a. for X years and receive simple interest Rs. 2Z, then find X is what % of Y?

- (a) 6.66%
- (b) 10%
- (c) 7.250%
- (d) 8.50%
- (e) 9.375%

Q161. There are 5 red, 3 purple & 4 green colour pens in a bag. If 5 pens picked at randomly, then what is the probability that none of the pen drawn is green?

- (a) $\frac{7}{99}$
- (b) $\frac{12}{97}$
- (c) $\frac{11}{91}$
- (d) $\frac{29}{93}$
- (e) $\frac{19}{99}$

Q162. In a school, when 62.5% of the student are on present, then the number of students who are absent is 66. The ratio between boys and girls is 5:3. Find the number of girls in a school.

- (a) 55
- (b) 88
- (c) 77
- (d) 66
- (e) 110

Q163. The speed of the boat in still water is 400% more than the speed of stream. It can cover 240 km downstream & 140 km upstream in 15 hours. Find the time taken by the boat to cover 70 km in upstream.

- (a) 1.5 hours
- (b) 4 hours
- (c) 3.5 hours
- (d) 3 hours

Q164. Area of the rectangular field is $420 m^2$ and perimeter is 82 m. Find that length of the field is what % more than the breath of the field?

- (a) 10%
- (b) 12.5%
- (c) 2.5%
- (d) 7.5%
- (e) 5%

Q165. A vessel contains 250 liters of mixture of alcohol and water in the ratio of 7:3. 45 liters of mixture is added in container, which contain water and alcohol in the ratio of 5:4. Find the difference in the amount of water and alcohol in the final mixture.

- (a) 95 lit.
- (b) 55 lit.
- (c) 65 lit.
- (d) 85 lit.
- (e) 75 lit.

Q166. A, B & C are partners in a business. Their investment are Rs. 5,000, Rs.7,000 & Rs.10,000 respectively. B get 12% profit of total profit for managing the business. The remaining profit is divided among them in the ratio of their investment at the end of the year. If the profit of B is Rs.2,500 less than the sum of the profit of A & C together, then what was the profit earned by A?

- (a) Rs. 3,500
- (b) Rs. 3,250
- (c) Rs. 3,000
- (d) Rs. 2,700
- (e) Rs. 2,500

Q167. The diameter of a disk is $16\frac{2}{3}\%$ more than the side of a cube which volume is $1728 cm^3$. Find the total surface area of the disk. (Thickness of the disk is negligible)

- (a) $168 cm^2$
- (b) $104 cm^2$
- (c) $308 cm^2$
- (d) $196 cm^2$
- (e) $245 cm^2$

Q168. In an exam, 40% students passed in only Hindi and 50% students passed in English only. If none of the students failed in both the subjects and no. of students who failed in only English are 75, then find no. of students who failed in Hindi only.

- (a) 75
- (b) 60
- (c) 30
- (d) 15
- (e) 45

Q169. A train crosses a platform and a man in 27 sec and 12 sec respectively. If it crosses a train of half of its length which travelling in same direction in 36 sec, then find the time taken by second train to cross the same platform.

- (a) 45 sec
- (b) 36 sec
- (c) 48 sec
- (d) 27 sec
- (e) 42 sec

Q170. The ratio of milk and water in the ratio is 7: 5. 2.4 liter of mixture is taken out and 600 ml of water and 300 ml of milk is added in to the mixture. If difference between the water and milk in the final mixture is 1.3 liter, then find the initial quantity of mixture.

- (a) 16 lit
- (b) 20 lit
- (c) 24 lit
- (d) 12 lit
- (e) 18 lit

Directions (171-175): The following questions are accompanied by two statements A and B. You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

- (a) Statement I alone is sufficient to answer the question, but statement II alone is not sufficient to answer the questions.
- (b) Statement II alone is sufficient to answer the question, but statement I alone is not sufficient to answer the question.
- (c) Both the statements taken together are necessary to answer the questions, but neither of the statements alone is sufficient to answer the question.
- (d) Either statement I or statement II by itself is sufficient to answer the question.
- (e) Statement I and II taken together are not sufficient to answer the question.

Q171. A sum at rate of interest of R% becomes 4 times in 15 years at simple interest. Find the sum.

Statement I: When sum is invested at (R+5)% per annum compounded annually for 2 years, interest earned is Rs.225.

Statement II: When sum is invested for (R-5)% for 40 years at simple interest, the amount becomes 5 times.

Q172. A mixture contains ratio of milk and water in the ratio of 5: 7. Find the quantity of milk in mixture.

Statement I: 36 liter of mixture is taken out from the mixture and 12 liter of water is added into the mixture. The ratio of milk and water becomes 5: 13.

Statement II: Difference between milk and water is 10 liter.

Q173. What is profit earned by Robin?

Statement I: Robin marked up the price of the article 50% above cost price and offers two successive discounts of 20% and 10%.

Statement II:

Q174. In how many days Z complete the whole work.

Statement I: X and Y together complete a whole work in 20 days, Y and Z together complete in 10 days and Z and X together complete the same in 15 days.

Statement II: Ratio of efficiency of X and Y is 2: 3.

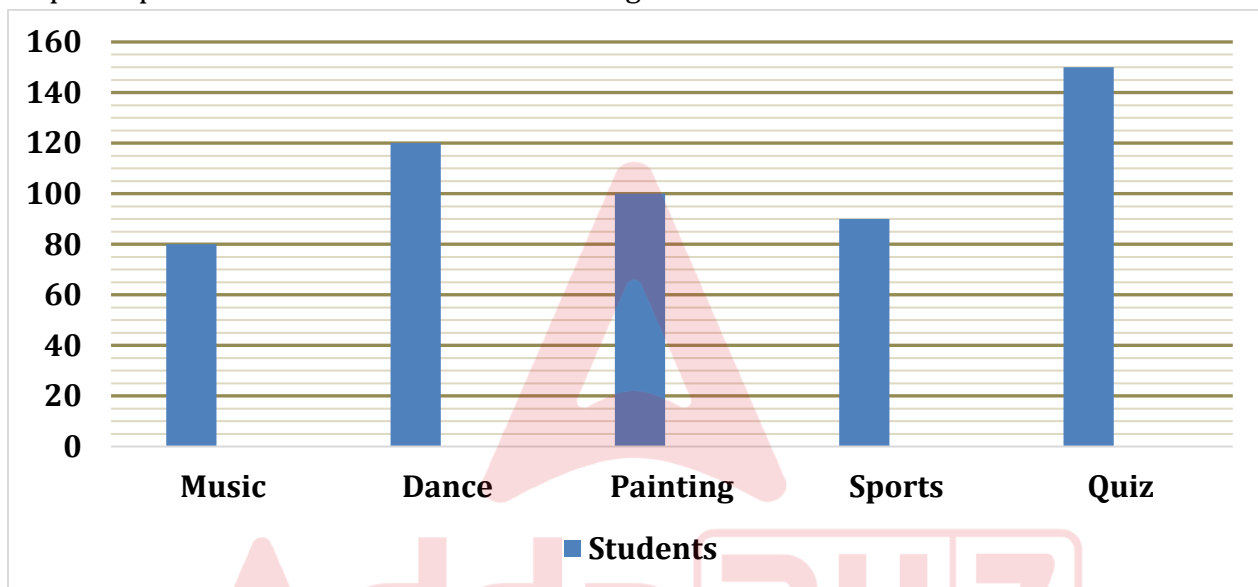
Q175. Find 40% of the fraction?

Statement I: Numerator of the fraction is 40 % less than its denominator.

Statement II: Difference between denominator and numerator of the fraction is 4 and denominator of fraction is greater than its denominator.

Directions (176-180): Read the given Bar graph and table carefully and answer the following questions.

The bar graph given below shows the no. of students (Boys + Girls) and the table show that ratio of boys to girls who participated in 5 different events of a college festival.



Events	Boys: Girls
Music	5:3
Dance	2:1
Painting	2:3
Sports	5:4
Quiz	1:1

Q176. Find the no. of boys participated in Dance and no. of girls participated in Sports together.

- (a) 120
- (b) 80
- (c) 90
- (d) 130

Q177. Find the average no. of girls participated in all the five events.

- (a) 51
- (b) 45
- (c) 53
- (d) 49
- (e) 47

Q178. Girls who participated in Painting is what percentage more/less than the boys who participated in Quiz?

- (a) 25%
- (b) 20%
- (c) $33\frac{1}{3}\%$
- (d) 50%
- (e) 10%

Q179. What is the ratio between no. of boys participated in Painting and sports together and no. of girls participated in Dance and Quiz together?

- (a) 14: 17
- (b) 15: 18
- (c) 3: 4
- (d) 8: 7
- (e) 18: 23

Q180. What is the difference between total no. of boys and total no. of girls who participated in all these 5 events?

- (a) 80
- (b) 60
- (c) 40
- (d) 70
- (e) 50

Directions (181-190): What will come in place of question mark (?) in the following questions?

Q181. $65\% \text{ of } 280 + 17^2 - \frac{4}{7} \text{ of } 714 = ? \div \frac{2}{3}$

- (a) 94.5
- (b) 87.5
- (c) 42
- (d) 72



Q182. $450 + 2.5 \times 320 - 40\% \text{ of } 70 \div \frac{7}{4} = ?$

- (a) 1243
- (b) 1234
- (c) 1245
- (d) 1233
- (e) 1351

Q183. $52\% \text{ of } 350 + \frac{7}{8} \text{ of } ? = \sqrt[3]{1728} + 18^2$

- (a) 156
- (b) 168
- (c) 192
- (d) 176
- (e) 147

Q184. $7\frac{3}{4} + \frac{17}{8} - 11\frac{3}{8} + 3\frac{4}{9} \times 2\frac{1}{4} = ? - 15\frac{5}{8}$

- (a) $17\frac{3}{8}$
- (b) $21\frac{5}{8}$
- (c) $27\frac{7}{8}$
- (d) $29\frac{7}{8}$
- (e) $21\frac{7}{8}$

Q185. $96\% \text{ of } (75\% \text{ of } 60 \div 12 \div 4) + 1.25\% \text{ of } 8 = ? \div 6$

- (a) 2
- (b) 1
- (c) 4
- (d) 6
- (e) 8

Q186. $\sqrt{841} + \sqrt{1296} - \sqrt{1024} = \sqrt{?}$

- (a) 1156
- (b) 1089
- (c) 1024
- (d) 961
- (e) 1225

Q187. $14400 \div 36 + 15600 \div 12 + 450 = 1800 + ?$

- (a) 410
- (b) 330
- (c) 390
- (d) 350

Q188. $7450 + 5880 - 6890 = 9000 - ?$

- (a) 2560
- (b) 2760
- (c) 2460
- (d) 2850
- (e) 2480

Q189. $32 \times 25 + 44 \times 18 + 348 \div 6 = ?$

- (a) 1550
- (b) 1620
- (c) 1650
- (d) 1600
- (e) 1690

Q190. $\sqrt{1225} \times 28 + 203 \times 7 = (?)^2$

- (a) 47
- (b) 45
- (c) 49
- (d) 51
- (e) 53

Directions (191-195): Read the given Table carefully and answer the following questions.

The data given below shows the no. of watch (Analog + Digital) sold by 5 shopkeepers on Monday and ratio of sold units of analog and digital of each shopkeeper on same day.

Shopkeeper	Total Sold Watches	Analog watches: Digital Watch
A	135	5: 4
B	140	9: 5
C	180	4: 5
D	160	13: 19
E	150	7: 8

Q191. Find ratio of total Digital watches sold by B and C together to total analog watches sold by A and D together?

- (a) 1: 1
- (b) 15: 14
- (c) 10: 9
- (d) 14: 11

Q192. What is the difference between the average no. of analog watches sold by B, C and E and that of Digital watches sold by A, C and D?

- (a) 10
- (b) 15
- (c) 8
- (d) 5
- (e) 0

Q193. Only 30% Analog watches are sold of shopkeeper B and 75% analog watches remains unsold of shopkeeper A, then find the total analog watches of A is what percentage of total analog watches of B?

- (a) 100%
- (b) 50%
- (c) 75%
- (d) 0%
- (e) 200%

Q194. Shopkeeper D have only two brands of watches (Fossil & Titan). $\frac{5}{13}$ of the sold analog watches and $\frac{6}{19}$ sold digital watches are of Fossil, then find the total no. of Titan watches sold by D?

- (a) 95
- (b) 85
- (c) 75
- (d) 105
- (e) 115

Q195. A and C sold 20% and 25% more watches on Tuesday than previous day. Find the no. of Analog watches sold by A is what percentage more/less than that by C on Tuesday, if ratio of sold watches of Analog and Digital remains same as on Monday?

- (a) 0%
- (b) 90% more
- (c) 10% less
- (d) $11\frac{1}{9}$ % more
- (e) 20% less

Direction (196 – 200): What approximate value should come in the place of question (?) mark:

Q196. $(360.91)^{\frac{1}{2}} - 10.99 \times 3.03 = \frac{419.82}{?} - 21.91 \times 7.02$

- (a) 2
- (b) 3
- (c) 4
- (d) 5

Q197. 349.94% of $43.98 + 140.04\%$ of $204.98 = (?)^2$

- (a) 21
- (b) 22
- (c) 19
- (d) 20
- (e) 23

Q198. 124.97% of $464.04 + ?^3 \times 14.99 = (37.987)^2 + 96.08$

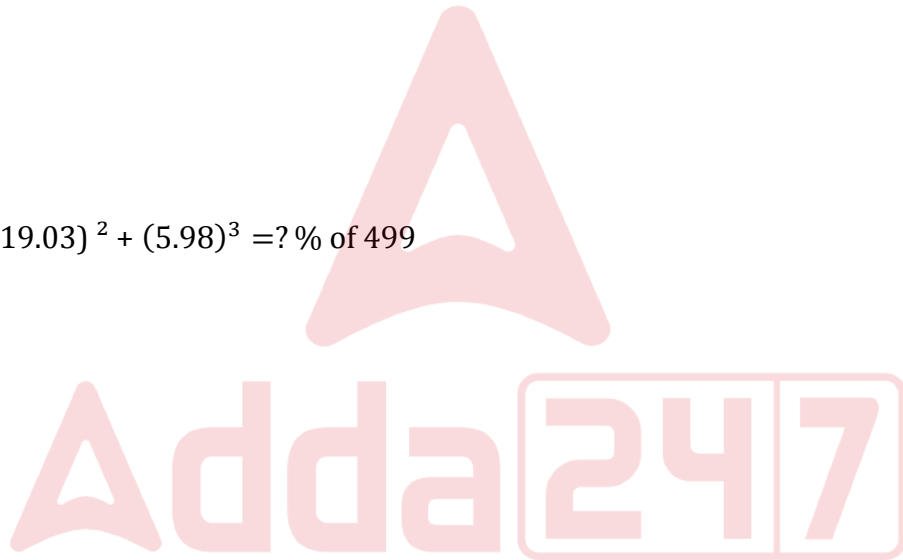
- (a) 8
- (b) 6
- (c) 4
- (d) 7
- (e) 5

Q199. $(12.01)^2 + \frac{?}{10.99} = (16.02)^2 + \sqrt{1935.91}$

- (a) 1228
- (b) 1344
- (c) 1472
- (d) 1716
- (e) 1560

Q200. $(20.93)^2 + (19.03)^2 + (5.98)^3 = ?\%$ of 499

- (a) 204
- (b) 217
- (c) 185
- (d) 235
- (e) 175



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LIC HFL Assistant Memory Based Paper 2019 - Solution PDF**S1. Ans.(e)**

Sol Refer to paragraph 1 of the passage, it is clearly mentioned that people in China have technology at their fingertips, they can do so many things like-message their friends, send money, read the news, play games, hail a taxi, pay off utility bills, and more through a single app like WeChat. But their each action is tracked down by the government so they don't have the luxury of living life without any interference.

S2. Ans.(d)

Sol Read the passage carefully, it can be easily inferred that We Chat serves wide number of purposes of people in China on daily basis, in fact people are accustomed to use We Chat from morning till evening, so it has captured the mind of the common man in China. Hence it can be called as lifeline.

S3. Ans.(d)

Sol From the paragraph 3 of the passage we can easily conclude that the government in China has decided to create a "social credit" rating system which will keep track of an individual's social, financial, and political behaviors. So the government authority will have a database comprising details of each individual accordingly.

S4. Ans.(d)

Sol Refer to paragraph 4 of the passage, it is evident that dang'an, or personal file, contains an individual's grades, employment record, and reports on how they interact with others, their religious affiliations, psychological problems, and potential political liabilities. Further the government is planning to keep track over online shopping and search history of the common people of China which will definitely kill their privacy.

S5. Ans.(e)

Sol. Read paragraph 4 of the passage carefully, it can be easily concluded that all the statements are completely true with reference to the passage, hence option (e) will be the correct choice.

S6. Ans.(b)

Sol In context of the passage, as compared to other options, option (b) seems to be the most appropriate title for the given passage.

S7. Ans.(a)

Sol Deliberately has the same meaning as voluntarily

Admonitorily means giving or conveying a warning or reprimand

S8. Ans.(a)

Sol Interdiction means the action of prohibiting or forbidding something

Accretion means growth or increase by the gradual accumulation of additional layers or matter

Impregnation means to make pregnant, get with child or young

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S9. Ans.(b)

Sol Meticulously means in a way that shows great attention to detail; very thoroughly

Sloppily means in a messy or careless way

Statutorily means of relating to, or of the nature of a statute

Hence, Sloppily will be the exact opposite of meticulously

S10. Ans.(c)

Sol Quintessential means representing the most perfect or typical example of a quality or class

Circumstantial means pointing indirectly towards someone's guilt but not conclusively proving it

Anodyne means not likely to cause offence or disagreement and somewhat dull

Bicentennial means relating to a two-hundredth anniversary

Here, anodyne will be the exact opposite of controversial

S11. Ans.(e)

Sol. The Sequence of sentences after rearrangement is **CEAFBD**.

S12. Ans.(a)

Sol. The Sequence of sentences after rearrangement is **CEAFBD**.

S13. Ans.(a)

Sol. The Sequence of sentences after rearrangement is **CEAFBD**.

S14. Ans.(a)

Sol. The Sequence of sentences after rearrangement is **CEAFBD**.

S15. Ans.(e)

Sol. The Sequence of sentences after rearrangement is **CEAFBD**.

S16. Ans.(a)

Sol. 'Why do we not' will come in place of 'why we do not' as the sentence is in interrogative form.

S17. Ans.(c)

Sol. In place of 'he will have', 'he would have been' will be used.

With Had+ subject + been + V3, Subject + would + have + been + V3 is used.

Ex. **Had** he **been taken** to hospital, he **would have been** saved.

S18. Ans.(b)

Sol. Replace 'with' by 'in' as "take delight in something" is the correct usage.

e.g. She **takes delight in** dancing.

S19. Ans.(b)

Sol. 'hard' will be used in place of 'hardly' as 'hardly' is used to depict 'rarely' or 'scarcely' whereas here

S20. Ans.(e)

Sol. The sentence is grammatically correct

S21. Ans.(b)

Sol. Use 'of' in place of 'for' as preposition 'of' is used after 'warn'.

S22. Ans.(c)

Sol. 'purchased' will be used in place of 'purchase' as after 'have' or any other form of 'have' (have, has, had), third form of verb is used.

Ex. I have/ had read this book.

S23. Ans.(e)

Sol. The sentence is grammatically correct.

S24. Ans.(a)

Sol. 'neither' will be used in place of 'none' as 'neither' is used for two persons or things while 'none' is used for more than two persons or things.

Ex. (i) Neither of these two pens.

(ii) None of the three pens.

S25. Ans.(a)

Sol. Use 'one's' in place of 'his' as if 'one' is used for 'anybody', then its possessive form is 'one's'.

Ex. One should be loyal to one's country. (= Anybody should be loyal to his country.)

S26. Ans.(d)

Sol. 'generously' is the correct word to make the sentence meaningful.

'grudgingly' means in a reluctant manner.

'lavishly' means in a luxurious manner.

S27. Ans.(a)

Sol. 'grumbling' is the correct word to make the sentence meaningful.

'grumbling' means complaining.

'perverting' means distort.

'nagging' means persistently painful or worrying.

'vexing' means annoying.

S128. Ans.(e)

Sol. No improvement is required here.

S29. Ans.(c)

Sol. 'pace' is the correct word to make the sentence meaningful.

S30. Ans.(b)

Sol. 'justifies is the correct word to make the sentence meaningful.

Assert means declare.

S31. Ans.(e)

Sol. Option(e) is correct i.e there is no need for improvement as the given sentence is correct.

The subject (people, which is plural) must agree with the verb (were, which is plural).

The two verbs (were and crafted) should be in the same tense since both happened at the same time in the past.

S32. Ans.(a)

Sol. Option(a) is correct

"Whether" is correct because the question concerns a choice not a condition. With the expression "the number of" a singular verb is needed and hence "was" is correct. "Liable" is used in expressions such as "liable to prosecution" and not for expressions of possibility.

S33. Ans.(d)**S34. Ans.(b)**

Sol. Option (b) is correct

As the superlative form most scary must be used instead of the comparative form more scary since the author is indicating that among all the threats, a specific threat is the most scary.

S35. Ans.(d)

Sol. In (d), the correct answer, 'inspired' is correctly parallel to 'broke', and 'attempt to overcome' is idiomatic.

S36. Ans.(a)

Sol. 'It was not until many years' is the correct use.

S37. Ans.(b)

Sol. 'worse than I had expected' is the correct use.

S38. Ans.(a)

Sol. 'to make both ends meet' is the correct use.

S39. Ans.(d)

Sol. 'having admitted' is the correct use.

S40. Ans.(c)

Sol. Auxiliary verb is used before subject in the sentences starting from No sooner, hardly, scarcely, rarely,

S41. Ans.(b)

Sol. As the given sentence is talking about the balance in the use of technology for tracking malicious activities and online privacy of the users, so, on the basis of this information the correct arrangement of the words would be DCBA.

S42. Ans.(d)

Sol. In the given sentence decision of nine-judge bench which ruled out that privacy is a fundamental right under Article 21 of constitution, is mentioned. So, on the basis of this it can be seen that the correct arrangement of the words would be ADCB.

S43. Ans.(b)

Sol. Given sentence is stating the statement made by External Affairs Minister on National Register of Citizen. So, on the basis of this information, the correct arrangement would be DBAC.

S44. Ans.(d)

Sol. Given sentence is talking about the petitions filed against Facebook in different High Courts regarding its misuse. So, on the basis of this information, it can be seen that correct arrangement would be CBDA.

S45. Ans.(c)

Sol. In the given sentence, 'operations' and 'planned' are incorrectly place as the given sentence is talking about the steps taken by ISRO's Mission complex to put Chandrayaan-2 in it planned orbit. So, the correct arrangement would be ADCB.

S46. Ans.(b)

Sol. From the given sentence, we can infer that the portal will give a push to (advance) transparency with the governmental setup. Among the given options, we will omit 'risk' because transparency cannot be a risk in the context of the sentence. Also, 'release of transparency' makes the statement contextually incorrect. Here, transparency can be qualified as an 'objective'. Hence, option (b) is the most suitable answer choice.

Risk: a situation involving exposure to danger

Objective: a thing aimed at or sought; a goal.

Remains: the parts left over after other parts have been removed, used, or destroyed

Release: allow or enable to escape from confinement; set free.

S47. Ans.(d)

Sol. From the given statement, we can get the idea that the economic progress has increased as get be indicated from the phrase 'remains weak even with'. Here, 'even with' symbolizes contradiction similar to that indicated by 'despite, inspite of, etc.' Here, 'robust' perfectly contradicts 'weak'. Hence, option (d) is the most suitable answer choice.

Robust: strong and healthy; vigorous.

Regressive: returning to a former or less developed state; characterized by regression

Forgotten: fail to remember.

Abandoned: having been deserted or left.

S48. Ans.(c)

Sol. The statement mentions the failure of lander to touchdown. Here, 'unfortunate' can perfectly qualify the event. Hence, option (c) is the most suitable answer choice.

Unfortunate: having or marked by bad fortune; unlucky.

Extended: made larger; enlarged.

Accomplished: highly trained or skilled in a particular activity.

Predetermined: established or decided in advance.

Explored: inquire into or discuss (a subject) in detail.

S49. Ans.(c)

Sol. The statement mentions introduction a new policy by Mr. Xi which will target China's progress. Here, only 'embarked' can fit in the blank, considering the preposition that follows the blank. Hence, option (c) is the most suitable answer choice.

Embarked: begin (a course of action).

Underscored: emphasize.

Prolonged: continuing for a long time or longer than usual; lengthy.

Alleged: said, without proof, to have taken place or to have a specified illegal or undesirable quality

Dithered: be indecisive.

S50. Ans.(b)

Sol. Here, the statement mentions the work that has been done on Jammu related to its communication networks. Here, the blank will be filled in with the word that could qualify the restoration work done. We will omit 'morally' as it will make the statement contextually incorrect. Similar is the case with 'nationally'. Here, 'substantially restored' is the most suitable phrase which will symbolize almost complete restoration of networks. Hence, option (b) is the most suitable answer choice.

Substantially: to a great or significant extent

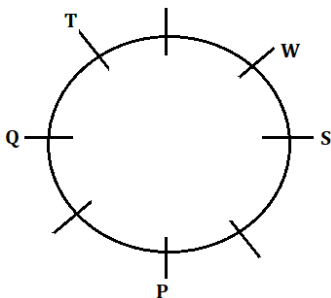
Ironically: in an ironic manner.

Severely: to an undesirably great or intense degree

Solutions (51-55)

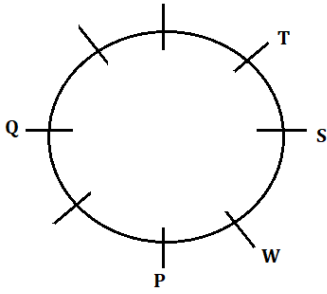
Two persons sit between P and T from here we have two cases i.e. case 1 and case 2. W sits second to the right of T. Both Q and S are sitting opposite to each other. Both W and Q are not adjacent to each other.

Case 1

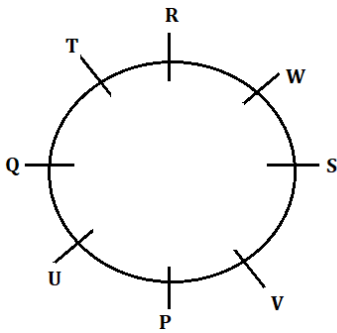


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Case 2



V sits immediate left of P and from here our case 2 get eliminated and we have case 1. R is not sit opposite to W.



S51. Ans.(e)

S52. Ans.(a)

S53. Ans.(d)

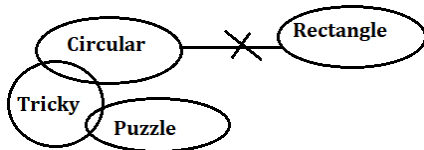
S54. Ans.(b)

S55. Ans.(b)

Solutions (56-60)

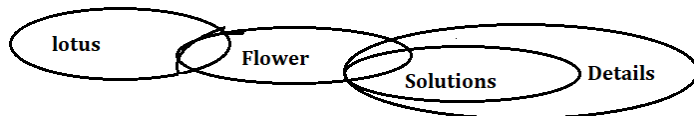
S56. Ans.(e)

Sol.



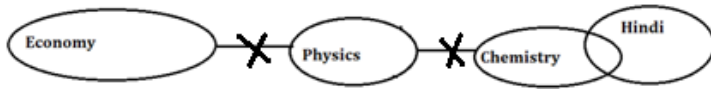
S57. Ans.(a)

Sol.



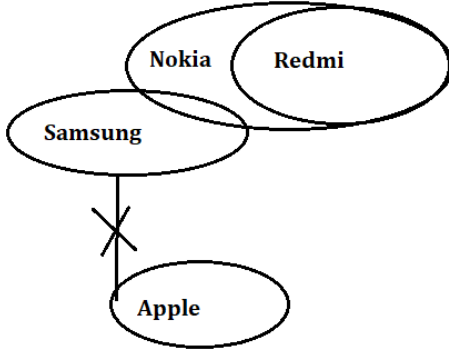
S58. Ans.(b)

Sol.



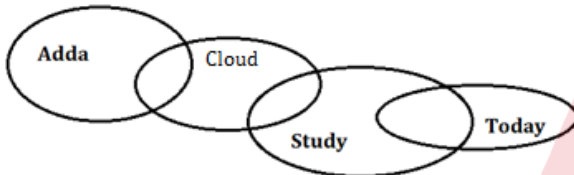
S59. Ans.(d)

Sol.



S60. Ans.(c)

Sol.



Solutions (61-65)

S61. Ans.(d)

Sol. 12P, 34S, 57E

S62. Ans.(c)

Sol. 2

S63. Ans.(b)

Sol. K

S64. Ans.(a)

Sol. O1, R3, X2

S65. Ans.(a)

Sol. W

Solution (66-70):

S66. Ans.(d)

Sol. I: $P > N$ (False) **II:** $N \geq R$ (False)

S67. Ans.(b)

Sol. I: $Q \geq F$ (False) **II:** $E > M$ (True)

S68. Ans.(d)

Sol. I: $Z > E$ (False) **II:** $V \geq J$ (False)

S69. Ans.(a)

Sol. I: $E > V$ (True) **II:** $V \geq Q$ (False)

S70. Ans.(d)

Sol. I: $Z > R$ (False) **II:** $D \geq K$ (False)

Solution (71-75):

From the given statements, C goes to Zoo before Wednesday. Only two persons are going to Zoo between C and G. No one goes Zoo between G and F. Three persons are going to Zoo between A and D. Neither A nor D going for Zoo on Tuesday. Here we get 3 possibilities i.e. Case 1 and Case 2 and case 3.

Days	Case 1	Case 2	Case 3
	Friends	Friends	Friends
Monday			C
Tuesday	C	C	
Wednesday	A/D	A/D	A/D
Thursday	F		G
Friday	G	G	F
Saturday		F	
Sunday	D/A	D/A	D/A

From the given statements, No one goes to Zoo between D and B. B goes before D but after F. From these conditions Case 2 is ruled out now.

Days	Case 1	Case 3
	Friends	Friends
Monday		C
Tuesday	C	
Wednesday	A	A
Thursday	F	G
Friday	G	F
Saturday	B	B
Sunday	D	D

From the given statements, three persons are going for Zoo between E and B. From this condition Case 1 is eliminated now.

So, the final arrangement is such as-

Days	Friends
Monday	C
Tuesday	E
Wednesday	A
Thursday	G
Friday	F
Saturday	B
Sunday	D

S71. Ans.(e)

S72. Ans.(b)

S73. Ans.(c)

S74. Ans.(d)

S75. Ans.(b)

Solutions (76-80)

Words	Codes
is	lm
out	to
Climate	ck/zg
Action	ck/zg
of	mp
Politics	tp
about	tz
likely	cz
Global	yo

S76. Ans.(c)

S77. Ans.(b)

S78. Ans.(e)

S79. Ans.(d)

S80. Ans.(b)

Solution (81-85):

S81. Ans.(c)

Sol. $(6+6+0+7+8+3)*3 = 90$

S82. Ans.(b)

Sol.

364 762 908 **576** 789 232

987 809 **675** 463 267 232

S83. Ans.(d)

Sol. $232 - (4+2+8+6+9+2) = 201$

S84. Ans.(d)

Sol.

364 762 908 576 789 232

232 364 **576** 762 789 908

S85. Ans.(b)

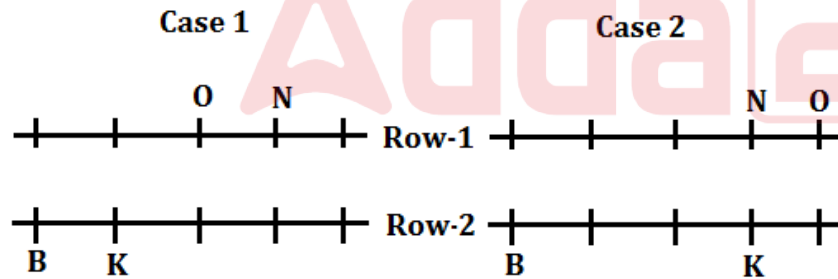
Sol.

364 762 908 576 789 232

098 322 634 **672** 756 879

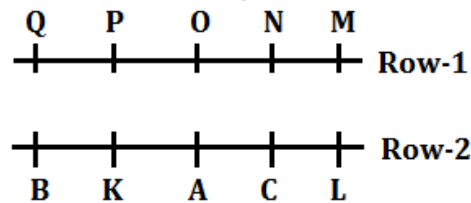
Solution (86-90):

From the given statements, K faces to the one who sits immediate to the right of O. K sits 2nd from one of the ends of the row. Here we get 2 possibilities i.e. Case 1 and Case 2. N faces the one who sits 3rd to the right of B.



From the given statements, only one person sits between A and L, who faces M. C sits to the right of K. Here Case 2 is ruled out now. More than one person sits between Q and N.

So, the final arrangement is-



S86. Ans.(a)

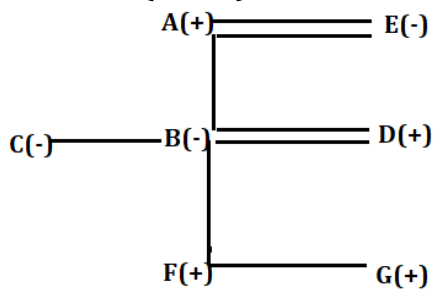
S87. Ans.(a)

S88. Ans.(a)

S89. Ans.(d)

S90. Ans.(d)

Solutions (91-93)

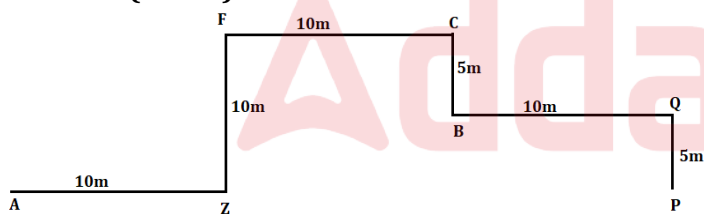


S91. Ans.(e)

S92. Ans.(b)

S93. Ans.(e)

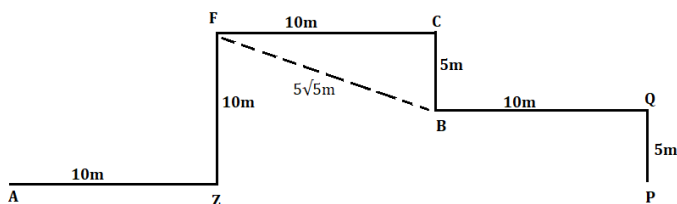
Solution (94-96):



S94. Ans.(d)

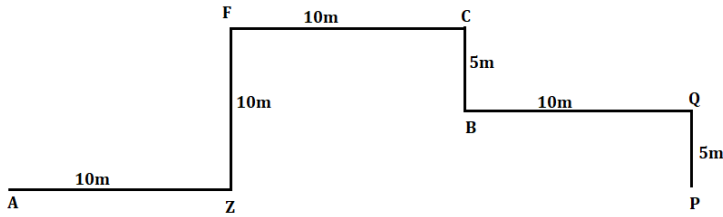
S95. Ans.(a)

Sol.



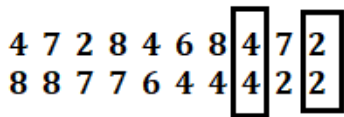
S96. Ans.(d)

Sol.



S97. Ans.(b)

Sol.



S98. Ans.(d)

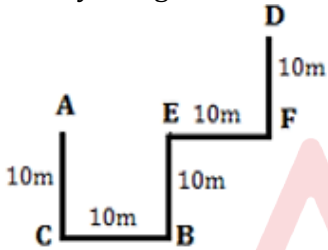
Solutions (99-100):

S99. Ans.(d)

By using both the statement we could not find out the relation between Sumit and Neha.

S100. Ans.(e)

Sol. By using both the statement we can find out that Point C is to the South West of Point D.



S101. Ans.(c)

Sol. Former Comptroller and Auditor General (CAG) and chief of Supreme court-appointed Committee of Administrators (CoA) in 2017, Vinod Rai has penned a book titled, "Not Just A Nightwatchman: My Innings with BCCI" in which the former bureaucrat encapsulates his 33-month stint at the BCCI.

In the book, Rai – whose stint of overseeing the administration of one of the richest sports bodies in the world ended in September 2019 – has made some major revelations.

S102. Ans.(b)

Sol. The Airport Authority of India (AAI) has launched an initiative "AVSAR" to encourage the talent of women, artisans, and craftsmen and provide them with the right opportunities. AVSAR stands for 'Airport as Venue for Skilled Artisans Of The Region'.

Under "AVSAR" (Airport as Venue for Skilled Artisans Of The Region), which is an initiative of AAI, an opportunity to help the indigent to mobilize their households into functionally effective self-earned groups

S103. Ans.(c)

Sol. The food and Agriculture organisation was founded in 1945.

The Food and Agriculture Organization of the United Nations is a specialized agency of the United Nations that leads international efforts to defeat hunger and improve nutrition and food security.

According to the UN Food and Agriculture Organization (FAO), the World food price index averaged 159.3 points in March, breaking an earlier record of 137.6 points scaled 11 years ago in February 2011.

The FAO Food Price Index (FFPI) is a measure of the monthly change in international prices of a basket of food commodities. It consists of the average of five commodity group price indices weighted by the average export shares of each of the groups over 2014-2016.

S104. Ans.(c)

Sol. SFDR technology is a missile propulsion system based on the concept of the Ramjet Engine principle.

It is a missile propulsion technology jointly developed by India and Russia.

The Defence Research and Development Organisation (DRDO) successfully flight tested the "Solid Fuel Ducted Ramjet" (SFDR) booster at the Integrated Test Range (ITR), Chandipur off the coast of Odisha.

The test met all the mission objectives. The SFDR-based propulsion enables the missile to intercept aerial threats at very long range at supersonic speeds. It has an extremely high projected range of 350 km.

S105. Ans.(d)

Sol. Union Home and Cooperation Minister, Amit Shah has inaugurated the newly built National Tribal Research Institute (NTRI) in New Delhi.

This institute is to promote and preserve the tribal heritage and culture and the nerve centre of tribal research issues and matters in academic, executive and legislative fields.

The institute will collaborate and network with reputed research institutes, universities, and organisations as well as academic bodies and resource centres.

It is being established at a cost of 10 crore rupees.

Tribal Research Institute (TRI) is the research body of the Ministry of Tribal Affairs at the state level. There are 26 Tribal Research Institutes (TRIs) supported by the Ministry of Tribal Affairs.

S106. Ans.(d)

Sol. Indian women's cricket team captain, Mithali Raj (39 years old), hailing from Jodhpur, Rajasthan, announced her retirement from all forms of international cricket

Previously in September 2019, she retired from twenty 20 International (T20Is) but continued to play One Day Internationals (ODIs) and Test cricket.

Mithali Raj made her international debut in the ODI against Ireland at Milton Keynes in 1999.

She has represented India in around 232 ODI matches and scored 7805 runs (50.68 on average). She is the only female cricketer to reach the 7,000-run mark. She holds the record for most runs in Women's ODI.

The government of India (GoI) honoured her with Arjuna Award in 2003 for her outstanding achievement in cricket and the Major Dhyan Chand Khel Ratna Award in 2021.

S107. Ans.(c)

Sol. 'Namami Gange Programme', is an Integrated Conservation Mission, approved as 'Flagship Programme' by the Union Government in June 2014 with budget outlay of Rs.20,000 Crore to accomplish the twin objectives of effective abatement of pollution, conservation and rejuvenation of National River Ganga.

S108. Ans.(c)

Sol. Andhra Pradesh has retained its number one spot in the SKOCH State of Governance rankings for the second consecutive year.

According to a release, the State retained the first rank for the second consecutive year. In 2020 too, Andhra Pradesh bagged the top rank in governance. Andhra Pradesh was ranked at second position in 2018 and later it slipped to 4th position in 2019, according to Skoch.

The second rank was bagged by West Bengal and Odisha was ranked 3, Gujarat was ranked 4, and Maharashtra was ranked 5. Neighboring Telangana was ranked 6.

The SKOCH Group has released the SKOCH Governance Report Card for 2021 in New Delhi, ranking the states according to their performance in various projects at state, district, and Email Article Print Article municipal levels.

S109. Ans.(d)

Sol. India has taken first place in the medal standings at the ISSF World Cup 2022 in Cairo, organised by the International Shooting Sport Federation.

By winning a total of seven medals, the Indian team took first place in the medals tally, with four gold, two silver, and one bronze.

Norway took second place in the medals tally with six medals (three gold, one silver, and two bronze). France came in third place with three gold medals out of a total of twenty.

On the final day of the ISSF World Cup 2022 in Cairo, Egypt, Indian shooters took home two medals.

India won their third World Cup gold, defeating Singapore 17-13 in the women's 25m pistol team event final. In the gold medal match, Rahi Sarnobat, Esha Singh, and Rhythm Sangwan defeated the Singaporean trio of Xiu Hong, Shun Xie, and Ling Chiao Nicole Tan.

S110. Ans.(c)

Sol. Tripura Government has announced a special scheme 'Mukhyamantri Chaa Srami Kalyan Prakalpa' for tea workers. A special scheme, allotting Rs. 85 crores for its implementation, as a step towards bringing the 7000 tea garden workers of Tripura under the social security net.

This special scheme would ensure housing, rations, and financial support to the tea garden workers by integrating the facilities that are entitled to them, by the state government and the central government.

About 75% of the 7000 tea garden workers are women and they produce nearly 90 lakh kilograms of tea through 54 tea estates & 21 tea processing factories across the state. The tea production is mainly distributed in the North, Sepahijala, Unakoti, and West Tripura districts.

Tripura Static Facts:

Capital: Agartala

Chief Minister: Biplab Kumar Deb

S111. Ans.(c)

Sol. Debasish Panda has been appointed as the chairman of the Insurance Regulatory and Development Authority of India (IRDAI). He is a former financial services secretary.

The headquarters of IRDAI is in Hyderabad, Telangana. It was founded in 1999.

The Insurance Regulatory and Development Authority of India is a regulatory body under the jurisdiction of the Ministry of Finance, Government of India, and is tasked with regulating and licensing the insurance and re-insurance industries in India.

S112. Ans.(e)

Sol. "Commission approves acquisition of 100 percent share capital of L&T Investment Management Ltd (L&T AMC) by HSBC Asset Management (India) Private Limited (HSBC AMC),".

The transaction involves the acquisition by HSBC AMC and its nominees of 100 percent share capital of L&T AMC from L&T Finance Holdings Ltd and its nominees.

The L&T MF schemes will be managed and operated by HSBC AMC, and HSBC Trustee will be appointed as the trustee of the L&T Mutual fund.

S113. Ans.(a)

Sol. The European Space Agency's (ESA) Vigil mission, formerly known as Lagrange, is a planned solar weather mission. Under this mission, two spacecraft will be stationed at the Lagrangian points L1 and L5, respectively.

It's the first of its kind mission, to monitor the unpredictable and active Sun and help protect the Earth from its outbursts.

Solar flares, coronal mass ejections, geomagnetic storms, solar proton events, and other space weather incidences will be monitored by ESA Vigil.

Monitoring of the space incidences will help in predicting the timing of its arrival on Earth and any effect it might have on infrastructure.

S114. Ans.(d)

Sol. ICICI Bank tied-up with Emirates Skywards to launch a range of co-branded credit cards named "Emirates Skywards ICICI Bank Credit Card".

Customers can earn reward points – known as Skywards Miles – on travel, lifestyle, and everyday purchases with the collection of cards. These cards, according to the private sector lender, offer best-in-class rewards and advantages and are a perfect fit for affluent consumers who travel abroad frequently.

ICICI Bank is the first Indian bank to join together with Emirates Skywards to offer the exclusive credit card programme in India.

S115. Ans.(c)

Sol. Only statement A is correct.

Pradhan Mantri Jan-Dhan Yojana was launched by the Prime Minister of India Narendra Modi on 28 August 2014.

Interest is earned on the deposit in PMJDY accounts.

S116. Ans.(b)

Sol. the Khadi and Village Industries Commission (KVIC) launched “Banarasi Pashmina” to boost self-sustainability & Artisanal Creativity.

From the Himalayan highlands of Leh-Ladakh to the banks of River Ganges in Varanasi – the heritage handicraft of Pashmina has got a brand new identity.

The premium Pashmina products prepared by the highly skilled Khadi weavers of Varanasi were launched by Chairman KVIC, Shri Vinai Kumar Saxena in Varanasi.

This is for the first time that Pashmina products are being produced outside the region of Leh-Ladakh and Jammu & Kashmir.

KVIC will be selling the “Made-in-Varanasi” Pashmina products through its showrooms, outlets and its online portal.

S117. Ans.(e)

Sol. The Bhima Bhoi Chair at Delhi University and Guru Ghasidas Vishwavidyalaya in Bilaspur, Chhattisgarh, has been authorised by the University Grants Commission.

In separate letters to the two central institutions, the UGC stated that the universities may create the Chair by filling existing vacant positions and that other recurrent expenses could be charged to monies already allocated to them.

Bhima Bhoi was a saint, poet, and philosopher from Odisha. He battled against the caste system in Hinduism. Bhima Bhoi was born in 1850 and died in 1895.

Bhima Bhoi was a Mahima Swamy bhakta (commonly referred to as Mahima Gosain and whose birth name is said to have been Mukunda Das). Bhima Bhoi would be initiated into Mahima Dharma, an Indian religious tradition that challenged caste Hinduism on its own terms, from Mahima Swamy.

S118. Ans.(d)

Sol. Patrick Achi has been re-appointed as Prime Minister of Ivory Coast by President Alassane Ouattara. He was appointed prime minister in March 2021. He was the third prime minister in the West African state (Ivory Coast) in the last three years after Amadou Gon Coulibaly (who died in 2020) and Hamed Bakayoko (who died in 2021).

President has accepted Achi’s resignation ahead of a government reshuffle. Ivory Coast, also officially known as the Republic of Côte d’Ivoire, is a country on the southwest coast of Africa.

Ivory Coast Static Facts:

Capital: Yamoussoukro

Currency: Franc

President: Alassane Ouattara

S119. Ans.(b)

Sol. Maharashtra is first state in India to launch a bus service with a totally digital ticketing system.

Maharashtra State Environment Minister Aditya Thackeray inaugurated the tap-in tap-out service on the Gateway of India to Churchgate route in an effort to make commuting across Mumbai easier.

Aditya Thackeray stated during the event that Brihanmumbai Electricity Supply and Transport (BEST) is India’s first fully digital bus service.

According to Lokesh Chandra, BEST’s General Manager (GM), this is the country’s first-ever 100 percent digital bus service, with the goal of increasing the digitalisation of the bus ticketing system.

It provides travellers with comfort and convenience because they can tap-in using their smart card or the ‘Chalo’ app on their cellphones.

If the tourist taps out using the app, they will receive a receipt on their phone, and if they used the smart

S120. Ans.(c)

Sol. For the collection of taxes, Dhanlaxmi Bank has signed a memorandum of understanding with the Central Board of Direct Taxes (CBDT) and the Central Board of Indirect Taxes and Customs (CBIC).

The technical integration required to implement the seamless flow of remittances from the bank's portal to the CBDT and CBIC portals will be implemented as soon as possible in order to give customers early access to the facilities.

Dhanlaxmi Bank said in a regulatory filing that the Reserve Bank of India (RBI) has authorised the bank to collect different taxes based on a recommendation from the Controller General of Accounts.

Dhanlaxmi Bank, based in Kerala, was placed under the RBI's Prompt Corrective Action (PCA) framework in November 2015 due to its poor financial condition, and it was only last year that it was released. It has been profitable since then.

S121. Ans.(a)

Sol. Startup India Seed Fund Scheme (SISFS) was launched on 19 April 2021. The scheme aims to provide financial assistance to startups for proof of concept, prototype development, product trials, market-entry, and commercialization.

This would enable these startups to graduate to a level where they will be able to raise investments from angel investors or venture capitalists or seek loans from commercial banks or financial institutions.

DPIIT has created Startup India Seed Fund Scheme (SISFS) with an outlay of INR 945 Crore to provide financial assistance to startups for Proof of Concept, prototype development, product trials, market entry, and commercialization. It will support an estimated 3,600 entrepreneurs through 300 incubators in the next 4 years.

S122. Ans.(b)

Sol. Barren Island Wildlife Sanctuary was established in the year 1977 to preserve the wildlife and the ecosystem of the region. It is located in Andaman Nicobar.

It is the only confirmed active volcano in the Indian subcontinent, and the only active volcano along a chain of volcanoes from Sumatra to Myanmar.

S123. Ans.(d)

Sol. About Consumer Price Index (CPI)-

- It measures price changes from the perspective of a retail buyer.
- It is released by the National Statistical Office (NSO).
- Four types of CPI are as follows:
 - CPI for Industrial Workers (IW).
 - CPI for Agricultural Labourer (AL).
 - CPI for Rural Labourer (RL).
 - CPI (Rural/Urban/Combined).
- Of these, the first three are compiled by the Labour Bureau in the Ministry of Labour and Employment. Fourth is compiled by the NSO in the Ministry of Statistics and Programme Implementation.
- Base Year for CPI is 2012.
- Recently, the Ministry of Labour and Employment released the new series of Consumer Price Index for

S124. Ans.(d)

Sol. Nagaland has created history by becoming the first State Assembly in the country to implement the National e-Vidhan Application (NeVA) program to become completely paperless. The Nagaland Assembly Secretariat has attached a tablet or e-book on each table in the 60 members' assembly amid the ongoing Budget session.

NeVA is a workflow system deployed on NIC Cloud, MeghRaj which helps the Chair of the House to conduct the proceedings of the House smoothly and to conduct Legislative Business of the House in a Paperless manner.

Nagaland Static Facts:

Capital: Kohima

Chief Minister: Neiphiu Rio

Governor: Jagdish Mukhi

S125. Ans.(b)

Sol. With a view to boosting exports and job creation in the textile sector, the government has approved the continuation of the Scheme for Rebate of State and Central Taxes and Levies (RoSCTL) with the same rates as notified by the Ministry of Textiles for exports of apparel/garments and made-ups till March 31, 2024.

What is the Rebate of State and Central Taxes and Levies (RoSCTL) Scheme?

RoSCTL is a forward-looking and growth-oriented scheme that has provided a stable and predictable policy regime, helping boost exports and employment.

The scheme helped improve cost efficiency and export competitiveness in the international market. It has also promoted incubation of start-ups & entrepreneurs in the domain and also led to a large number of MSMEs joining the apparel export business."

After the introduction of GST in 2017, the RoSL (Rebate of State Levies) scheme was replaced by a new scheme – Rebate of State and Central Taxes Levies (RoSCTL) in March 2019.

S126. Ans.(a)

Sol. Dunagiri (Yard- 3023), Project 17A frigate has been built by Garden Reach Shipbuilders Limited (GRSE) in Kolkata.

The Union Minister Rajnath Singh, Ministry of Defence (MoD) launched indigenously built Y- 3023 Dunagiri, Project 17A frigate onto the river Hooghly in Kolkata (West Bengal). The Project 17A frigates, also known as Nilgiri-class stealth frigates.

About P17A Ships:

These are guided-missile frigates, which are follow-on classes of the P17 (Shivalik Class) Frigates with improved stealth features, advanced weapons and sensors and platform management systems.

About Dunagiri: It is a world class stealth frigate with multidimensional capabilities to destroy enemies

S127. Ans.(c)

Sol. La'eeb is an Arabic word meaning super-skilled player.

FIFA has unveiled La'eeb as the official mascot for this year's FIFA World Cup Qatar 2022.

The FIFA World Cup 2022 was the 22nd edition of the quadrennial international men's football championship, which was contested by national teams from FIFA member countries.

FIFA aims to regulate and grow football worldwide. The organization has been swiftly evolving since 2016, into a body that can better serve our game for the benefit of everyone on the planet.

This was the first World Cup ever to be held in the Arab world, and it will be the second World Cup held entirely in Asia after the 2002 tournament was held in South Korea and Japan.

S128. Ans.(b)

Sol. The parliament of Kazakhstan has unanimously approved the appointment of Alikhan Smailov as the new Prime Minister of the country.

His name was nominated by Kazakh President Kassym-Jomart Tokayev on January 11, 2022. Prior to this, the 49-year-old Smailov served as the country's finance minister from 2018 to 2020.

He became the first deputy prime minister in the Cabinet in 2019.

Kazakhstan Static Facts:

Capital: Nur-Sultan

Currency: Kazakhstani tenge

S129. Ans.(b)

Sol. The World Health Organization (WHO) has chosen Jharkhand for the World No Tobacco Day (WNTD) Award-2022, in recognition of the state's efforts to reduce tobacco usage.

The award will be presented to the State Tobacco Control Cell of the Health Department in New Delhi in honour of World No Tobacco Day. The coveted award, which honoured the State Government's achievements in reducing tobacco usage, was given by the National Tobacco Control Program in Jharkhand. According to the Global Adult Tobacco Survey (GATS)-1 report, the NTCP was begun in Jharkhand in 2012, when the state's tobacco prevalence rate was 51.1 percent, with 48 percent of smokers.

According to the GATS-2 study, tobacco users in the state decreased to 38.9%, with 35.4 percent of those using smokeless tobacco.

Every year, 3.5 million hectares of land are destroyed throughout the world to plant tobacco. Tobacco farming also causes in 20,000 hectares of deforestation and soil deterioration each year.

S130. Ans.(b)

Sol. In 2021-22, the UAE is India's third-largest trading partner with USD 72.9 billion. It is followed by Saudi Arabia (USD 42.85 billion) as 4th, Iraq (USD 34.33 billion) as 5th, & Singapore (USD 30 billion) as its 6th largest trading partner.

The United States overtook China to become India's top trading partner in 2021-22, reflecting strong economic ties between the two countries.

According to commerce ministry data, in 2021-22, bilateral trade between the US and India stood at US\$ 119.42 billion as against US\$ 80.51 billion in 2020-21.

Exports to the US increased to US\$ 76.11 billion in 2021-22 from US\$ 51.62 billion in the previous fiscal,

S131. Ans.(a)

Sol. The 17th edition of the Mumbai International Film Festival of India (MIFF 2022) confers Dr V. Shantaram Lifetime Achievement Award on noted author and documentary filmmaker Shri Sanjit Narwekar to commemorate his exquisitely deep, remarkably diverse and inspiring body of work.

Union Minister of Commerce & Industry, Consumer Affairs, Food & Public Distribution and Textiles Piyush Goyal presented the award to Sanjit Narwekar along with a cash prize of Rs 10 lakhs (Rs 1 million), Golden Conch and a citation.

Shri Narwekar is a National award-winning film historian, author, publisher and documentary filmmaker with more than four decades of cross-media experience in Journalism, Public Relations, Publishing and Filmmaking.

S132. Ans.(d)

Sol. The headquarters of the Coalition for Disaster Resilient Infrastructure (CDRI) is located in New Delhi, India.

The Coalition for Disaster Resilient Infrastructure is an international coalition of countries, United Nations agencies, multilateral development banks, the private sector, and academic institutions, that aims to promote disaster-resilient infrastructure.

Its objective is to promote research and knowledge sharing in the fields of infrastructure risk management, standards, financing, and recovery mechanisms. It was launched by the Indian Prime Minister Narendra Modi at the 2019 UN Climate Action Summit in September 2019.

CDRI's initial focus is on developing disaster resilience in ecological, social, and economic infrastructure. It aims to achieve substantial changes in member countries' policy frameworks and future infrastructure investments, along with a major decrease in the economic losses suffered due to disasters.

S133. Ans.(d)

Sol. Under Para Banking, banks may form subsidiary companies for undertaking types of banking business like hire/purchase business and Underwriting of bonds of Public Sector Undertakings, Mutual Fund business etc.

S134. Ans.(d)

Sol. Reserve Bank of India performs merchant banking function for the central and the state governments, also acts as their banker. It also manages the Foreign Exchange Management Act, 1999.

It Prescribes broad parameters of banking operations within which the country's banking and financial system functions.

S135. Ans.(e)

Sol. Shahabuddin Ahmed, the former President of Bangladesh passed away at the age of 92 in Dhaka, Bangladesh.

He was the interim head of state as the consensus nominee of all parties amid a mass upsurge in 1990 to topple ex-military dictator HM Ershad.

Shahabuddin Ahmed also served as the President of Bangladesh from 1996 to 2001. He was responsible

S136. Ans.(c)

Sol. Confederation of Indian Industry (CII), New Delhi in partnership with the Department of Science & Technology (DST), GoI hosted the 28th edition of the DST – CII Technology Summit on 23rd and 24th of February 2022.

The Summit was held virtually. Singapore is the Partner Country for this year's Technology Summit.

This Technology summit will provide the right platform to further improve the interaction; will help to explore more opportunities in the businesses and investment areas, and to upgrade the bilateral cooperation.

It is expected that the summit is going to be a turning point by leading to interaction amongst a big and important group of technology experts, government leaders, elite scholars, industry stalwarts and start-ups from both countries.

The focus of the summit would be making Smarter Cities, Space, Industry 4.0 and Advanced Engineering, Healthcare, Precision Medicine, etc.

S137. Ans.(c)

Sol. Ambit Finvest has announced the signing of a co-lending agreement with Union Bank of India (UBI) for financing to Micro, Small and Medium Enterprise (MSME) customers.

Ambit Finvest is the Ambit Group's non-deposit-taking Non-Banking Financial Company (NBFC). This collaboration will enable underwriting for businesses in 11 states now served by Ambit Finvest.

Ambit Finvest and Union Bank of India hope to speed up credit disbursement across multiple geographies with this partnership, according to Sanjay Dhoka, COO and CFO of Ambit Finvest.

S138. Ans.(a)

Sol. Researchers at the Indian Institute of Technology (IIT) Kanpur have created a biodegradable nanoparticle that can be used as an alternative to chemical-based insecticides to protect crops from bacterial and fungal illnesses.

Abhay Karandikar, who is the director of IIT Kanpur said that because farmers suffer a variety of issues, IIT Kanpur has worked tirelessly to improve the farming environment as a whole. Nanoparticles would reduce the risk of crop infection while also increasing agricultural productivity.

S139. Ans.(e)

Sol. The Red Bull racing driver Sergio Pérez (Mexican) has won the Formula 1 (F1) Grand Prix (GP) De Monaco 2022 with 25 points, held at Circuit de Monaco, Monaco, Europe.

The event took place between May 27 to May 29 2022. With this victory, Sergio Pérez becomes the first Mexican to win the Monaco Grand Prix, and the first North American to win it since Gilles Villeneuve in 1981.

The Second position was occupied by the Ferrari racing driver Carlos Sainz Jr. (Spanish) with 18 points. The third position was taken by the Belgian-Dutch racing driver Max Emilian Verstappen who drove for Red Bull Racing.

S140. Ans.(c)

Sol. Param Ananta, is a state-of-the-art supercomputer at IIT Gandhinagar dedicated to the nation under the National Supercomputing Mission (NSM).

It is a joint initiative of the Ministry of Electronics and Information Technology (MeitY) and the Department of Science and Technology (DST), which was commissioned. This indigenous software stack is developed by C-DAC and is a Make in India initiative.

The Param Ananta is based on direct contact liquid cooling technology to obtain a high power usage effectiveness and thereby reduce the operational cost.

The Param Ananta Supercomputing Facility will greatly benefit IIT Gandhinagar's R&D activities in multidisciplinary domains of science and technology, including, but not limited to, artificial intelligence (AI), machine learning (ML), data science; computational fluid dynamics (CFD); bio-engineering for genome sequencing and DNA studies.

S141. Ans.(c)

Sol. NTPC Dadri or National Capital Power Station (NCPS) owned and operated by NTPC is located in the Gautam Budh Nagar district of Uttar Pradesh, about 48km from the Indian capital New Delhi.

S142. Ans.(e)

Sol. Vietnamese dong is currency of Vietnam and Capital is Hanoi.

S143. Ans.(b)

Sol. Ujjain is the largest city in Ujjain district of the Indian state of Madhya Pradesh. The city is on the bank of the river Shipra which flows into the nearby Chambal.

S144. Ans.(c)

Sol. Daph dance is one of the popular folk dances of Haryana. Performed to show joy and happiness regarding a good harvest, this dance is popular in various regions of Haryana. The dance is majorly performed by Ahir Community.

S145. Ans.(a)

Sol. Thae Pongal is a harvest festival dedicated to the Sun God. It is a four-day festival which according to the Tamil calendar is usually celebrated from January 14 to January 17. Thai Pongal is one of the most important festivals celebrated by Tamil people in the Indian state of Tamil Nadu.

S146. Ans.(a)

Sol. Jigme Dorji National Park (JDNP) is the second largest national park in Bhutan with an area of 4316 sq. km. Located in the north western park of the country, the park also shares international border with the Tibetan Autonomous Region of China

S147. Ans.(b)

Sol.

S148. Ans.(d)

Sol. The Hasdeo Thermal Power Station or Korba West Thermal Power Station is an 840 megawatt (MW) coal-fired power station at Korba in Chhattisgarh, India.

S149. Ans.(a)

Sol. Jim Corbett National Park is a forested wildlife sanctuary in northern India's Uttarakhand State.

S150. Ans.(c)

Sol. Gajendra Singh Shekhawat is an Indian politician from Rajasthan who is currently serving as Union Cabinet Minister in Ministry of Jal Shakti. He is a member of parliament from the Bharatiya Janata Party representing Jodhpur in the Lok Sabha.

S151. Ans.(a)

Sol. Pattern of series

$$17 \times 0.5 + 0.5 = 9$$

$$9 \times 1 + 1 = 10$$

$$10 \times 1.5 + 1.5 = 16.5$$

$$16.5 \times 2 + 2 = 35$$

$$35 \times 2.5 + 2.5 = \mathbf{90}$$

S152. Ans.(b)

Sol. Pattern of series

$$20+6=26$$

$$26+12 = 38$$

$$38+18 = 56$$

$$56+24 = 80$$

$$80+30 = \mathbf{110}$$

S153. Ans.(c)

Sol. Pattern of series

$$110+8 = \mathbf{118}$$

$$118-16 = 102$$

$$102+24 = 126$$

$$126-32 = 94$$

$$94+40 = 134$$

S154. Ans.(d)

Sol. Pattern of series

$$7 \times 5 = 35$$

$$35 \times 4 = 140$$

$$140 \times 3 = 420$$

$$420 \times 2 = \mathbf{840}$$

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S155. Ans.(c)**Sol.** Pattern of series

$$120 \div 2 - 1 = 59$$

$$59 \div 2 - 1 = 28.5$$

$$28.5 \div 2 - 1 = 13.25$$

$$13.25 \div 2 - 1 = \mathbf{5.625}$$

$$5.625 \div 2 - 1 = 1.8125$$

S156. Ans.(b)**Sol.** Total work = L.C.M.(15,20,30) = 60 units

$$\text{Efficiency of D\&E} = \frac{60}{15} = 4 \text{ unit/day}$$

$$\text{Efficiency of E\&F} = \frac{60}{20} = 3 \text{ unit/day}$$

$$\text{Efficiency of F\&D} = \frac{60}{30} = 2 \text{ unit/day}$$

$$\text{Efficiency of D, E\&F} = \frac{9}{2} = 4.5 \text{ unit/day}$$

$$\text{Efficiency of D} = 4.5 - 3 = 1.5 \text{ unit/day}$$

$$\text{Days taken by D} = \frac{60}{1.5} = 40 \text{ days}$$

S157. Ans.(a)**Sol.** Ratio of Present ages of R and P is 28x: 23xPresent age of S is $7\frac{1}{7}\%$ more than the present age of R

$$\text{Ratio of Present age of S: R is} = 28x \times \frac{15}{14} : 28x$$

$$= 30x : 28x$$

So, ratio of present ages of R, P\&S is = 28x: 23x: 30x

$$\text{Present average age of P and S} = 23x + 30x = 106$$

$$x = 2$$

$$\text{Present age of S} = 30x = 30 \times 2 = 60 \text{ years}$$

S158. Ans.(c)**Sol.** Let the cost price = 100x

$$\text{So, marked price} = 100x \times \frac{160}{100} = 160x$$

Article sold it two consecutive discount 20% and 25%

$$\text{So, selling price is} = 160x \times \frac{80}{100} \times \frac{75}{100} = 96x$$

Difference between selling price and cost price is Rs.220

$$100x - 96x = 220$$

$$4x = 220$$

$$x = 55$$

S159. Ans.(d)

Sol. Let the speed of the train A and B is x m/s, y m/s respectively

So, length of train A = $25x$ m

And, length of train B = $32y$ m

Trains running in opposite direction, their relative speed = $(x + y)$ m/sec

According to ques.

$$\frac{25x + 32y}{(x + y)} = 28$$

$$25x + 32y = 28x + 28y$$

$$3x = 4y$$

$$\text{So, required ratio} = \frac{x}{y} = \frac{4}{3}$$

S160. Ans.(e)

Sol. For mukesh simple interest = $2Z \times \frac{20}{100} \times X = Z$

$$X = \frac{5}{2}$$

For sonu simple interest = $3Z \times \frac{Y}{100} \times X = 2Z$

$$3Z \times \frac{Y}{100} \times \frac{5}{2} = 2Z$$

$$Y = \frac{80}{3}$$

$$\text{Required \%} = \frac{\frac{5}{80}}{\frac{80}{3}} \times 100 = \frac{75}{8} = 9.375\%$$

S161. Ans.(a)

Sol. Required probability = $\frac{{}^8C_5}{{}^{12}C_5} = \frac{7}{99}$

S162. Ans.(d)

Sol. Let total student in a school = 100%

Present student in a school = 62.5%

Absent student in a school = $(100 - 62.5)\% = 37.5\%$

$$37.5\% = 66$$

$$1\% = \frac{66}{37.5}$$

$$\text{Total student in a school} = \frac{66}{37.5} \times 100 = 176$$

$$\text{Number of girls} = 176 \times \frac{3}{8} = 66$$

S163. Ans.(c)

Sol. Let the speed of stream = x km/h

$$\text{Speed of the boat} = x \times \frac{500}{100} = 5x \text{ km/h}$$

ATQ

$$\frac{240}{6x} + \frac{140}{4x} = 15$$

$$\frac{75}{x} = 15$$

$$x = 5$$

Upstream speed = $4x \text{ km/h} = 4 \times 5 = 20 \text{ km/h}$

So, required time = $\frac{70}{20} = 3.5 \text{ hours}$

S164. Ans.(e)

Sol. Let the length of the rectangle field = $l \text{ m}$

length of the rectangle field = $b \text{ m}$

Area of the rectangular field

$$l \times b = 420 \text{ m}^2$$

$$l = \frac{420}{b} \dots\dots\dots(i)$$

Perimeter of a field

$$2(l + b) = 82 \text{ m}$$

$$(l + b) = 41 \text{ m}$$

$$\frac{420}{b} + b = 41 \text{ m}$$

$$b^2 - 41b + 420 = 0$$

$$b^2 - 21b - 20b + 420 = 0$$

$$b(b - 21) - 20(b - 21) = 0$$

$$(b - 21)(b - 20) = 0$$

$$b = 21, 20$$

$b = 20 \text{ m}, l = 21 \text{ m}$ as length is greater than breadth

$$\text{Required \%} = \frac{(21-20)}{20} \times 100 = 5\%$$

S165. Ans.(a)

Sol. Quantity of alcohol in initial mixture = $250 \times \frac{7}{10} = 175 \text{ lit.}$

Quantity of water in initial mixture = $250 \times \frac{3}{10} = 75 \text{ lit.}$

Total quantity of alcohol in final mixture = $175 + 45 \times \frac{4}{9} = 195 \text{ lit.}$

Total quantity of water in final mixture = $75 + 45 \times \frac{5}{9} = 100 \text{ lit}$

So, required difference = $195 - 100 = 95 \text{ lit.}$

S166. Ans.(e)

Sol. The ratio of profit share A, B & C
 $= 5,000 \times 12 : 7,000 \times 12 : 10,000 \times 12$
 $= 5 : 7 : 10$

Let the total profit is $= 100u$

B get profit of total profit for managing the business $= 12u$

Remaining profit divide among their investment $= 100u - 12u = 88u$

$$A \text{ get} = 88u \times \frac{5}{22} = 20u$$

$$B \text{ get} = 88u \times \frac{7}{22} = 28u$$

$$C \text{ get} = 88 \times \frac{10}{22} = 40u$$

$$B \text{ get total profit} = 12u + 28u = 40u$$

According to ques.

$$60u - 40u = 2500$$

$$20u = 2500$$

$$1u = 125$$

$$\text{Profit earned by A} = 20u = 20 \times 125 = 2,500$$

$$= \text{Rs. } 2,500$$

S167. Ans.(c)

Sol. Side of the cube $= 12 \text{ cm}$

$$\text{So, diameter of disk} = 12 \times \frac{7}{6} = 14 \text{ cm}$$

$$\text{Radius of disk} = \frac{14}{2} = 7 \text{ cm}$$

Total surface area of the disk $= 2 \times \pi r^2$ (where r is the radius of the disk)

$$= 2 \times \frac{22}{7} \times 49$$

$$= 308 \text{ cm}^2$$

S168. Ans.(b)

Sol. Students passed in both the subjects $= 100 - 40 - 50 = 10\%$

Students failed in English only $= \text{Total students} - \text{students passed in Hindi}$

$$= 100 - 40 - 10 = 50\%$$

And, students failed in Hindi Only $= \text{Total students} - \text{students passed in English}$

$$= 100 - 50 - 10 = 40\%$$

As, $50\% = 75$

$$\text{So, required no. of students} = \frac{75}{50} \times 40 = 60$$

S169. Ans.(e)

Sol. Let length and speed of first train be 'L' meter and 's' m/s respectively.

And length of the platform be 'P' meter.

ATQ

$$\frac{L+P}{s} = 27 \dots (i)$$

$$\frac{L}{s} = 12 \dots (ii)$$

From (i) and (ii)

$$L = 12s \text{ and } P = 15s \dots (iv)$$

Let speed of second train be 'S' m/s.

$$\text{Now, } \frac{L+\frac{L}{2}}{s-S} = 36$$

$$\frac{L}{s-S} = 24$$

$$12s = 24s - 24S$$

$$S = \frac{s}{2} \dots (v)$$

Now,

$$\text{Required time} = \frac{\frac{L+P}{2}}{S}$$

From (iv) and (v)

$$= \frac{6s+15s}{\frac{1}{2}s} = 42 \text{ sec}$$

S170. Ans.(d)

Sol. Let the initial quantity of milk and water be 7x and 5x lit respectively.

ATQ

$$\left(7x - \frac{7}{12} \times 2.4 + 0.3\right) - \left(5x - \frac{5}{12} \times 2.4 + 0.6\right) = 1.3$$

$$(7x - 1.1) - (5x - 0.4) = 1.3$$

$$2x = 2.0$$

$$x = 1$$

So, initial quantity of mixture = 12x = 12 liter

S171. Ans.(a)

Sol. Let sum be Rs. P.

$$\frac{P \times R \times 15}{100} = 3P$$

$$R = 20\%$$

From statement I:

$$P \left[\left(1 + \frac{25}{100}\right)^2 - 1 \right] = 225$$

$$P = \text{Rs. } 400$$

From statement II:

$$\frac{P \times 15 \times 40}{100} = 4P$$

Can't be determined.

S172. Ans.(d)

Sol. From statement I:

Let quantity of milk and water in mixture be $5x$ and $7x$ respectively.

$$\text{Quantity of milk taken out} = 36 \times \frac{5}{12} = 15 \text{ lit}$$

$$\text{Quantity of water taken out} = 36 - 15 = 21 \text{ lit}$$

$$\text{So, } \frac{5x-15}{7x-21+12} = \frac{5}{13}$$

$$13x - 39 = 7x - 9$$

$$6x = 30$$

$$x = 5$$

$$\text{Quantity of milk} = 25 \text{ lit}$$

From statement II:

Let quantity of milk and water in the mixture be $5a$ and $7a$ respectively.

$$7a - 5a = 10$$

$$a = 5$$

$$\text{So, quantity of milk} = 25 \text{ lit}$$

So, either statement I or statement II alone is sufficient.

S173. Ans.(c)

Sol. From statement I and II

Let cost price of article be $100x$.

Marked price of article = $150x$

$$\text{Selling price of article} = 150x \times \frac{80}{100} \times \frac{90}{100} = 108x$$

$$42x = 63$$

$$x = 1.5$$

$$\text{Req. profit} = 8x = 8 \times 1.5 = \text{Rs. } 12$$

So, both statement I and II together is sufficient.

S174. Ans.(a)

Sol. Statement I. Let total work = L.C.M. $(20,10,15) = 60$ units

$$\text{Efficiency of X \& Y} = \frac{60}{20} = 3 \text{ unit/day}$$

$$\text{Efficiency of Y \& Z} = \frac{60}{10} = 6 \text{ unit/day}$$

$$\text{Efficiency of Z \& X} = \frac{60}{15} = 4 \text{ unit/day}$$

$$\text{Efficiency of X, Y \& Z} = \frac{13}{2} = 6.5 \text{ unit/day}$$

$$\text{Efficiency of Z} = 6.5 - 3 = 3.5 \text{ unit/day}$$

$$\text{Days taken by Z} = \frac{60}{3.5} = \frac{120}{7} \text{ days}$$

Statement II. Ratio of efficiency of X and Y is 2: 3.

(I)

S175. Ans.(a)

Sol. From statement 1: Let denominator of fraction be p

$$\text{Fraction} = \frac{\left(\frac{p \times 60}{100}\right)}{p}$$

$$\text{Fraction} = \frac{6}{10} = \frac{3}{5}$$

$$\text{Reqd value} = \frac{40}{100} \times \frac{6}{10} = \frac{24}{100} = \frac{6}{25}$$

From statement 2:

$$\text{Fraction} = \frac{p-4}{p}$$

Required value can't be determined

Hence, statement **(1)** alone is sufficient to answer the question but statement **(2)** alone is not sufficient to answer the question.

Solutions (176-180):

Events	Total students	Boys	Girls
Music	80	50	30
Dance	120	80	40
Painting	100	40	60
Sports	90	50	40
Quiz	150	75	75

S176. Ans.(a)

Sol. Required sum = 80 + 40 = 120

S177. Ans.(d)

$$\begin{aligned} \text{Sol. Required average} &= \frac{30+40+60+40+75}{5} \\ &= \frac{245}{5} = 49 \end{aligned}$$

S178. Ans.(b)

$$\begin{aligned} \text{Sol. Required \%} &= \frac{75-60}{75} \times 100 \\ &= \frac{15}{75} \times 100 = 20\% \end{aligned}$$

S179. Ans.(e)

$$\begin{aligned} \text{Sol. Required ratio} &= \frac{40+50}{40+75} \\ &= \frac{90}{115} = \frac{18}{23} \end{aligned}$$

S180. Ans.(e)

Sol. Required difference = (50 + 80 + 40 + 50 + 75) – (30 + 40 + 60 + 40 + 75)

S181. Ans.(c)

Sol. $65\% \text{ of } 280 + 17^2 - \frac{4}{7} \text{ of } 714 = ? \div \frac{2}{3}$

$$\frac{65}{100} \times 280 + 289 - 4 \times 102 = ? \times \frac{3}{2}$$

$$182 + 289 - 408 = ? \times \frac{3}{2}$$

$$? = 63 \times \frac{2}{3}$$

$$? = 42$$

S182. Ans.(b)

Sol. $450 + 800 - 16 = ?$

$$? = 1234$$

S183. Ans.(d)

Sol. $52\% \text{ of } 350 + \frac{7}{8} \text{ of } ? = \sqrt[3]{1728} + 18^2$

$$182 + \frac{7}{8} \times ? = 12 + 324$$

$$? = 154 \times \frac{8}{7}$$

$$? = 176$$

S184. Ans.(e)

Sol. $7\frac{3}{4} + \frac{17}{8} - 11\frac{3}{8} + 3\frac{4}{9} \times 2\frac{1}{4} = ? - 15\frac{5}{8}$

$$\frac{31}{4} + \frac{17}{8} - \frac{91}{8} + \frac{31}{9} \times \frac{9}{4} = ? - \frac{125}{8}$$

$$-\frac{3}{2} + \frac{31}{4} = ? - \frac{125}{8}$$

$$? = \frac{25}{4} + \frac{125}{8}$$

$$? = \frac{175}{8}$$

$$? = \frac{175}{8} = 21\frac{7}{8}$$

S185. Ans.(d)

Sol. $96\% \text{ of } (75\% \text{ of } 60 \div 12 \div 4) + 1.25\% \text{ of } 8 = ? \div 6$

$$\frac{96}{100} \times \left(\frac{75}{100} \times 60 \times \frac{1}{12} \times \frac{1}{4} \right) + \frac{1}{10} = ? \div 6$$

$$\frac{96}{100} \times \frac{45}{48} + \frac{1}{10} = ? \div 6$$

$$\frac{90}{100} + \frac{1}{10} = ? \div 6$$

$$? = 6$$

S186. Ans.(b)

Sol. $\sqrt{841} + \sqrt{1296} - \sqrt{1024} = \sqrt{?}$

$$29 + 36 - 32 = \sqrt{?}$$

$$\sqrt{?} = 33$$

$$? = (33)^2$$

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S187. Ans.(d)

$$\begin{aligned} \text{Sol. } 14400 \div 36 + 15600 \div 12 + 450 &= 1800 + ? \\ 400 + 1300 + 450 &= 1800 + ? \\ 2150 &= 1800 + ? \\ ? &= 2150 - 1800 \\ &= 350 \end{aligned}$$

S188. Ans.(a)

$$\begin{aligned} \text{Sol. } 7450 + 5880 - 6890 &= 9000 - ? \\ ? &= 9000 - 6440 \\ &= 2560 \end{aligned}$$

S189. Ans.(c)

$$\begin{aligned} \text{Sol. } 32 \times 25 + 44 \times 18 + 348 \div 6 &= ? \\ ? &= 800 + 792 + 58 \\ &= 1650 \end{aligned}$$

S190. Ans.(c)

$$\begin{aligned} \text{Sol. } \sqrt{1225} \times 28 + 203 \times 7 &= (?)^2 \\ (?)^2 &= 35 \times 28 + 203 \times 7 \\ &= 980 + 1421 \\ &= 2401 \\ ? &= \sqrt{2401} \\ &= 49 \end{aligned}$$

S191. Ans.(b)

$$\begin{aligned} \text{Sol. Total digital watches sold by B and C together} &= 140 \times \frac{5}{14} + 180 \times \frac{5}{9} \\ &= 50 + 100 = 150 \\ \text{Total analog watches sold by A and D together} &= 135 \times \frac{5}{9} + 160 \times \frac{13}{32} \\ &= 75 + 65 = 140 \\ \text{So, required ratio} &= 150 : 140 = 15 : 14 \end{aligned}$$

S192. Ans.(d)

$$\begin{aligned} \text{Sol. Average no. of Analog watches sold by B, C and E} &= \frac{1}{3} \times \left(140 \times \frac{9}{14} + 180 \times \frac{4}{9} + 150 \times \frac{7}{15} \right) \\ &= \frac{1}{3} \times (90 + 80 + 70) \\ &= 80 \\ \text{Average no. of Digital watches sold by A, C and D} &= \frac{1}{3} \times \left(135 \times \frac{4}{9} + 180 \times \frac{5}{9} + 160 \times \frac{19}{32} \right) \\ &= \frac{1}{3} \times (60 + 100 + 95) \\ &= 85 \end{aligned}$$

S193. Ans.(a)

Sol. Total analog watches of B = $140 \times \frac{9}{14} \times \frac{100}{30} = 300$

Total analog watches of A = $135 \times \frac{5}{9} \times \frac{100}{25} = 300$

So, required percentage = $\frac{300}{300} \times 100 = 100\%$

S194. Ans.(d)

Sol. Fossil Analog watches sold by D = $160 \times \frac{13}{32} \times \frac{5}{13} = 25$

Fossil digital watches sold by D = $160 \times \frac{19}{32} \times \frac{6}{19} = 30$

So, required no. of Titan watches = $160 - (25 + 30)$
= 105

S195. Ans.(c)

Sol. Analog watches sold by A on Tuesday = $\frac{6}{5} \times 135 \times \frac{5}{9} = 90$

Analog watches sold by C on Tuesday = $\frac{5}{4} \times 180 \times \frac{4}{9} = 100$

So, required percentage = $\frac{100-90}{100} \times 100 = 10\%$ (less)

S196. Ans.(b)

Sol. $(360.91)^{\frac{1}{2}} - 10.99 \times 3.03 = \frac{419.82}{?} - 21.91 \times 7.02$

$361^{\frac{1}{2}} - 11 \times 3 = \frac{420}{?} - 22 \times 7$

$19 - 33 = \frac{420}{?} - 154$

$\frac{420}{?} = 140$

? = 3

S197. Ans.(a)

Sol. $349.94\% \text{ of } 43.98 + 140.04\% \text{ of } 204.98 = (?)^2$

$350\% \text{ of } 44 + 140\% \text{ of } 205 = ?^2$

$\frac{350}{100} \times 44 + \frac{140}{100} \times 205 = ?^2$

$154 + 287 = ?^2$

? = 21

S198. Ans.(c)

Sol. $124.97\% \text{ of } 464.04 + ?^3 \times 14.99 = (37.987)^2 + 96.08$

$125\% \text{ of } 464 + ?^3 \times 15 = 38^2 + 96$

$\frac{125}{100} \times 464 + ?^3 \times 15 = 1444 + 96$

$580 + ?^3 \times 15 = 1540$

$?^3 = \frac{960}{15} = 64$

? = 4

S199. Ans.(d)

$$\text{Sol. } (12.01)^2 + \frac{?}{10.99} = (16.02)^2 + \sqrt{1935.91}$$

$$12^2 + \frac{?}{11} = 16^2 + \sqrt{1936}$$

$$144 + \frac{?}{11} = 256 + 44$$

$$\frac{?}{11} = 156$$

$$? = 1716$$

S200. Ans.(a)

$$\text{Sol. } (20.93)^2 + (19.03)^2 + (5.98)^3 = ? \% \text{ of } 499$$

$$21^2 + 19^2 + 6^3 = ? \% \text{ of } 500$$

$$441 + 361 + 216 = 5 \times ?$$

$$? = \frac{1018}{5} = 204.40 \approx 204$$



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