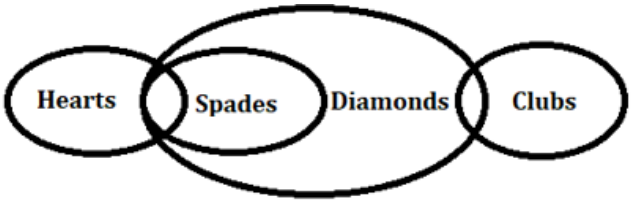
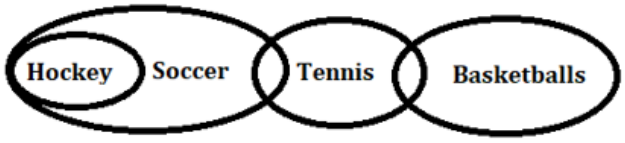
NABARD Grade A Assistant Manager Prelims Previous Year Paper 2021

Q1. Statements:
Only a few hearts are spades
Only a few diamonds are clubs
All spades are diamonds
Conclusions:
I. All spades are clubs
II. Few diamonds are not clubs
Study the following statements and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.
(a) Only I follow
(b) Only II follows
(c) Either I or II follows
(d) Neither I nor II follows
(e) Both I and II follow
Ans.(b)
Sol.

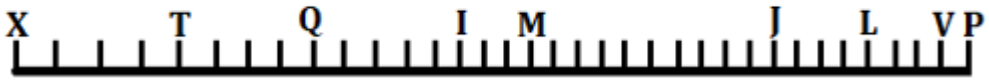


Q2. Statements:
Only Soccer is Hockey
Only a few Basketballs are Tennis
Some Tennis is Soccer
Conclusions:
I. Few Hockey can be Tennis
II. Some Basketballs can never be Tennis
Study the following statements and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.
(a) Only I follow
(b) Only II follows
(c) Either I or II follows
(d) Neither I nor II follows
(e) Both I and II follow
Ans.(b)
Sol.

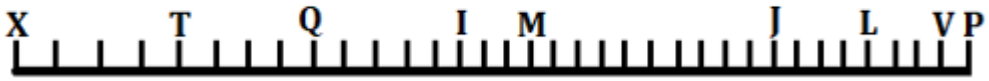


Q3. How many persons sit between Q and J?
Study the following information carefully and answer the questions given below:
A certain number of persons are sitting in a linear row facing the north direction. Q sits fifth to the left of I. Two persons are sitting between I and M. The number of persons sit between Q and M is two less than the number of persons sit between M and J. I and J are not immediate neighbours. L sits fourth to the right of J. X sits eighth to the left of Q. T sits exactly in the middle of Q and X who sits at one of the ends. The number of persons sit to the left of T is the same as the persons to the right of L. P sits immediately right of V. V sits to the right of J. More than five persons sit between J and V.
(a) 12
(b) 11

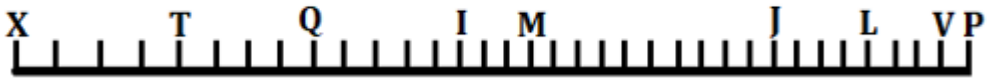
(c) 14
(d) 17
(e) 15
Ans.(d)
Sol.
Final arrangement:



Q4. Who among the following person sits between I and V?
I. M
II. The one who sits fourth to the left of P
III. Q
Study the following information carefully and answer the questions given below:
A certain number of persons are sitting in a linear row facing the north direction. Q sits fifth to the left of I. Two persons are sitting between I and M. The number of persons sit between Q and M is two less than the number of persons sit between M and J. I and J are not immediate neighbours. L sits fourth to the right of J. X sits eighth to the left of Q. T sits exactly in the middle of Q and X who sits at one of the ends. The number of persons sit to the left of T is the same as the persons to the right of L. P sits immediately right of V. V sits to the right of J. More than five persons sit between J and V.
(a) Only (I) and (II)
(b) Only (I)
(c) Only (I) and (III)
(d) Only (III)
(e) All (I), (II), and {Ill)
Ans.(a)
Sol.
Final arrangement:



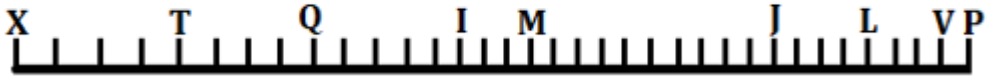
Q5. How many persons are sitting in the row?
Study the following information carefully and answer the questions given below:
A certain number of persons are sitting in a linear row facing the north direction. Q sits fifth to the left of I. Two persons are sitting between I and M. The number of persons sit between Q and M is two less than the number of persons sit between M and J. I and J are not immediate neighbours. L sits fourth to the right of J. X sits eighth to the left of Q. T sits exactly in the middle of Q and X who sits at one of the ends. The number of persons sit to the left of T is the same as the persons to the right of L. P sits immediately right of V. V sits to the right of J. More than five persons sit between J and V.
(a) 32
(b) 35
(c) 33
(d) 31
(e) 36
Ans.(b)
Sol.
Final arrangement:



Q6. Who among the following person sits fifth from the left end?
Study the following information carefully and answer the questions given below:

A certain number of persons are sitting in a linear row facing the north direction. Q sits fifth to the left of I. Two persons are sitting between I and M. The number of persons sit between Q and M is two less than the number of persons sit between M and J. I and J are not immediate neighbours. L sits fourth to the right of J. X sits eighth to the left of Q. T sits exactly in the middle of Q and X who sits at one of the ends. The number of persons sit to the left of T is the same as the persons to the right of L. P sits immediately right of V. V sits to the right of J. More than five persons sit between J and V.
(a) The one who sits sixth to the left of I
(b) Q
(c) T
(d) The one who sits tenth to the left of M
(e) J
Ans.(c)
Sol.

Final arrangement:

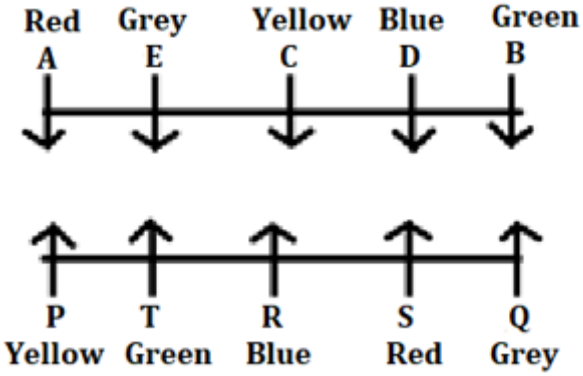


Q7. Which of the following symbols should replace the question mark (?) in the given expression to make the statements 'F>I' and 'G>K' definitely true?
K < E =F ? G >H ? I
(a) <, =
(b) =, <
(c) ≥, =
(d) =, >
(e) None of these
Ans.(d)
N/A

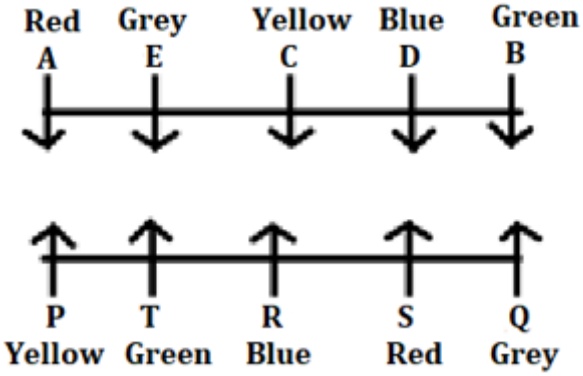
Q8. Which of the following expression is valid if the given expression 'Q>M' and 'R>N' holds true?
(a) $M \geq N < P \leq Q < R$
(b) $M \leq N \geq P = Q < R$
(c) $M = N > P \leq Q \leq R$
(d) $M \leq N < P \leq Q < R$
(e) None of these
Ans.(d)
N/A

Q9. Who among the following person likes the red colour in row 2?
Study the following information carefully and answer the questions given below:
Ten persons are sitting in two parallel rows facing towards each other. In row -1, A, B, C, D and E are sitting and faces towards south. In row-2, P, Q, R, S and T are sitting and face north, but not necessarily in the same order. Each of them like different colours viz. Red, Green, Yellow, Blue and Grey. Neither the persons who sit in the same row like the same colour nor the persons facing towards each other like the same colour. The one who likes red and green colour in row 1 is sitting at the end of the row. The one who likes the grey colour in row 2 sits at one end of the row. S sits adjacent to both who likes blue and grey colour. T likes green colour and sits opposite to the one who likes grey colour. Both P and A are facing towards each other. R sits second to the right of P and neither of them likes grey. C likes yellow. B neither likes red nor sits adjacent to C. Neither D nor B is adjacent to A.
(a) Q
(b) R
(c) S
(d) P
(e) Cannot be determined
Ans.(c)

Sol. Final arrangement:

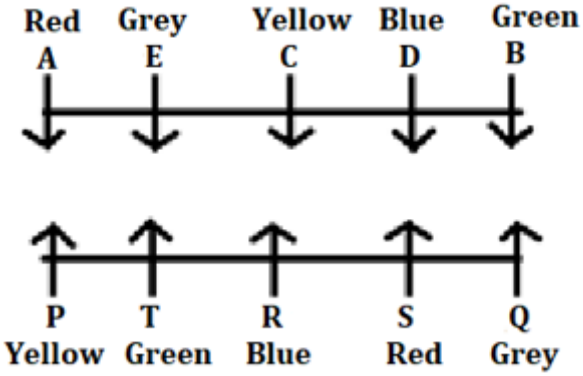


Q10. Which of the following statements is/are true with respect to the final arrangement?
Study the following information carefully and answer the questions given below:
Ten persons are sitting in two parallel rows facing towards each other. In row -1, A, B, C, D and E are sitting and faces towards south. In row-2, P, Q, R, S and T are sitting and face north, but not necessarily in the same order. Each of them like different colours viz. Red, Green, Yellow, Blue and Grey. Neither the persons who sit in the same row like the same colour nor the persons facing towards each other like the same colour. The one who likes red and green colour in row 1 is sitting at the end of the row. The one who likes the grey colour in row 2 sits at one end of the row. S sits adjacent to both who likes blue and grey colour. T likes green colour and sits opposite to the one who likes grey colour. Both P and A are facing towards each other. R sits second to the right of P and neither of them likes grey. C likes yellow. B neither likes red nor sits adjacent to C. Neither D nor B is adjacent to A.
(a) Both P and T are immediate neighbours
(b) A like red colour
(c) Both B and Q facing towards each other
(d) Only (a) and (b)
(e) All are correct
Ans.(e)
Sol. Final arrangement:

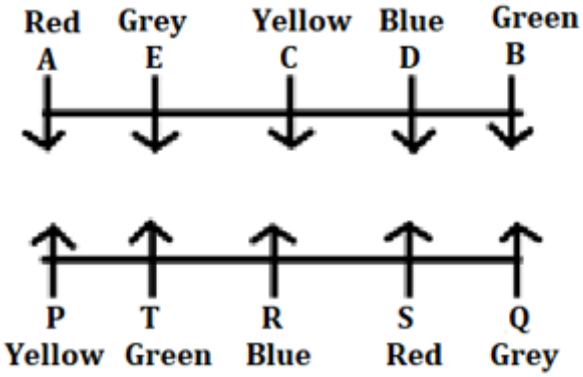


Q11. Which statement is/are true about A with respect to the final arrangement?
I. A sits to the immediate right of E
II. Only two persons are sitting between A and D
III. A likes Blue colour
Study the following information carefully and answer the questions given below:
Ten persons are sitting in two parallel rows facing towards each other. In row -1, A, B, C, D and E are sitting and faces towards south. In row-2, P, Q, R, S and T are sitting and face north, but not necessarily in the same order. Each of them like different colours viz. Red, Green, Yellow, Blue and Grey. Neither the persons who sit in the same row like the same colour nor the persons facing towards each other like the same colour. The one who likes red and green colour in row 1 is sitting at the end of the row. The one who likes the grey colour in row 2 sits at one end of the row. S sits adjacent to both who likes blue and grey colour. T likes green colour and sits opposite to the one who likes grey colour. Both P and A are facing towards each

other. R sits second to the right of P and neither of them likes grey. C likes yellow. B neither likes red nor sits adjacent to C. Neither D nor B is adjacent to A.
(a) Both I and Ill
(b) Both II and Ill
(c) Both I and II
(d) Only I
(e) All are correct
Ans.(c)
Sol. Final arrangement:

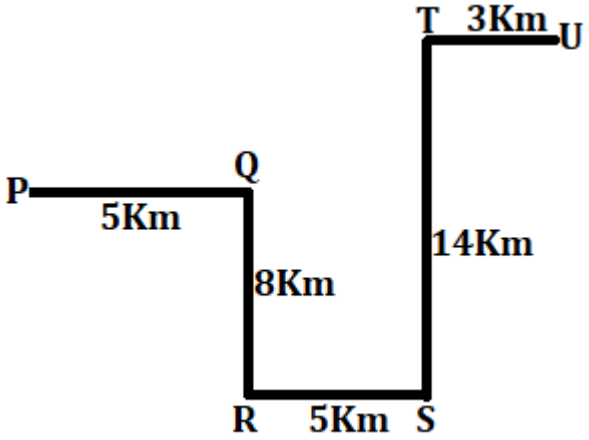


Q12. Four of the following five are alike in a certain way and hence form a group. Which of the following one doesn't belong to that group?
Study the following information carefully and answer the questions given below:
Ten persons are sitting in two parallel rows facing towards each other. In row -1, A, B, C, D and E are sitting and faces towards south. In row-2, P, Q, R, S and T are sitting and face north, but not necessarily in the same order. Each of them like different colours viz. Red, Green, Yellow, Blue and Grey. Neither the persons who sit in the same row like the same colour nor the persons facing towards each other like the same colour. The one who likes red and green colour in row 1 is sitting at the end of the row. The one who likes the grey colour in row 2 sits at one end of the row. S sits adjacent to both who likes blue and grey colour. T likes green colour and sits opposite to the one who likes grey colour. Both P and A are facing towards each other. R sits second to the right of P and neither of them likes grey. C likes yellow. B neither likes red nor sits adjacent to C. Neither D nor B is adjacent to A.
(a) AR
(b) ES
(c) CQ
(d) BQ
(e) DT
Ans.(d)
Sol. Final arrangement:

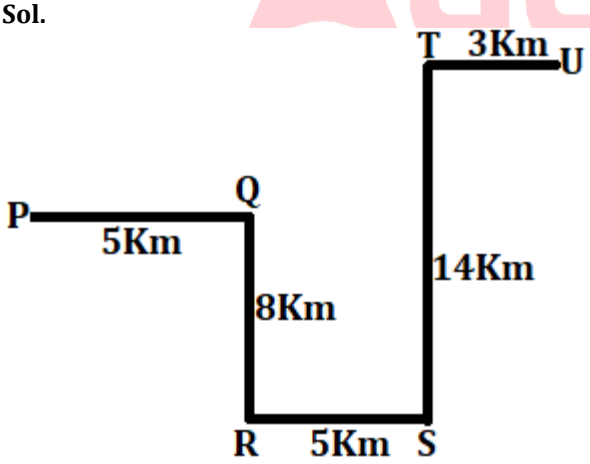


Q13. What is the shortest distance between the points Q and U?
Study the following information carefully and answer the questions given below.

A car from point P travels towards the east for 5 km and reached at point Q. After taking a right turn from point Q, travels 8 km to reach point R where it takes a left turn. Travelling for 5 km in the same direction, the car takes a left turn again from point S and travels for 14 km. Then, the car takes a right turn from point T and travels for another 3 km and stops at point U.
(a) 8km
(b) 9km
(c) 10km
(d) 12km
(e) 14km
Ans.(c)
Sol.



Q14. If the petrol cost is Rs.76/liter and the mileage of the car is 5 kmpl, then what will be the total cost of the entire journey?
Study the following information carefully and answer the questions given below.
A car from point P travels towards the east for 5 km and reached at point Q. After taking a right turn from point Q, travels 8 km to reach point R where it takes a left turn. Travelling for 5 km in the same direction, the car takes a left turn again from point S and travels for 14 km. Then, the car takes a right turn from point T and travels for another 3 km and stops at point U.
(a) Rs.542
(b) Rs.522
(c) Rs.552
(d) Rs.532
(e) Cannot be determined
Ans.(d)
Sol.



Q15. Who among the following belongs to the CPI party?
Study the following information carefully and answer the question given below:

In Parliament, seven politicians namely A, B, C, D, E, F and G are elected for different posts. These designations are President, Vice President (VP), Prime minister (PM), Governor, Former president (FP), Deputy Prime Minister (DPM), Deputy Chairman (DC) in decreasing order where the deputy chairman is Junior most rank and President is the Senior-most rank. Also, they belong to different parties among BJP, NCP, INC, NPP, RJD, CPI and BSP but not necessarily in the same order. B is senior from at least two persons. Three persons are designated between A and E. A is immediately senior to B. The one who is vice president belongs to RJD. G is the deputy Prime Minister but doesn't belong to NCP. C belongs to NPP. D does not belong to RJD. F is junior to C but not the junior most person among all. One person is designated between the one who belongs to NCP and the one who belongs to BJP. At most three persons are senior to the one who belongs to BJP. The person who belongs to BSP is immediately senior to the one who belongs to INC.

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

Ans.(a)

Sol. Final arrangement:

Designations	Persons	Parties
President	C	NPP
Vice President (VP)	F	RJD
Prime Minister (PM)	A	BJP
Governor	B	CPI
Former President (FP)	D	NCP
Deputy Prime Minister ()	G	BSP
Deputy Chairman (DC)	E	INC

Q16. Who among the following person is the Former president and belongs to which party respectively?

Study the following information carefully and answer the question given below:

In Parliament, seven politicians namely A, B, C, D, E, F and G are elected for different posts. These designations are President, Vice President (VP), Prime minister (PM), Governor, Former president (FP), Deputy Prime Minister (DPM), Deputy Chairman (DC) in decreasing order where the deputy chairman is Junior most rank and President is the Senior-most rank. Also, they belong to different parties among BJP, NCP, INC, NPP, RJD, CPI and BSP but not necessarily in the same order. B is senior from at least two persons. Three persons are designated between A and E. A is immediately senior to B. The one who is vice president belongs to RJD. G is the deputy Prime Minister but doesn't belong to NCP. C belongs to NPP. D does not belong to RJD. F is junior to C but not the junior most person among all. One person is designated between the one who belongs to NCP and the one who belongs to BJP. At most three persons are senior to the one who belongs to BJP. The person who belongs to BSP is immediately senior to the one who belongs to INC.

(a) F-BSP
(b) C-NPP
(c) E-NCP
(d) B-CPI
(e) D-NCP

Ans.(e)

Sol. Final arrangement:

Designations	Persons	Parties
President	C	NPP
Vice President (VP)	F	RJD
Prime Minister (PM)	A	BJP
Governor	B	CPI
Former President (FP)	D	NCP
Deputy Prime Minister ()	G	BSP
Deputy Chairman (DC)	E	INC

Q17. Number of persons senior to F is same as the number of persons junior to the one who belongs to the party?

Study the following information carefully and answer the question given below:
In Parliament, seven politicians namely A, B, C, D, E, F and G are elected for different posts. These designations are President, Vice President (VP), Prime minister (PM), Governor, Former president (FP), Deputy Prime Minister (DPM), Deputy Chairman (DC) in decreasing order where the deputy chairman is Junior most rank and President is the Senior-most rank. Also, they belong to different parties among BJP, NCP, INC, NPP, RJD, CPI and BSP but not necessarily in the same order. B is senior from at least two persons. Three persons are designated between A and E. A is immediately senior to B. The one who is vice president belongs to RJD. G is the deputy Prime Minister but doesn't belong to NCP. C belongs to NPP. D does not belong to RJD. F is junior to C but not the junior most person among all. One person is designated between the one who belongs to NCP and the one who belongs to BJP. At most three persons are senior to the one who belongs to BJP. The person who belongs to BSP is immediately senior to the one who belongs to INC.
(a) CPI
(b) NPP
(c) BJP
(d) RJD
(e) BSP
Ans.(e)
Sol. Final arrangement:

Designations	Persons	Parties
President	C	NPP
Vice President (VP)	F	RJD
Prime Minister (PM)	A	BJP
Governor	B	CPI
Former President (FP)	D	NCP
Deputy Prime Minister ()	G	BSP
Deputy Chairman (DC)	E	INC

Q18. Who among the following is Deputy Chairman?
Study the following information carefully and answer the question given below:
In Parliament, seven politicians namely A, B, C, D, E, F and G are elected for different posts. These designations are President, Vice President (VP), Prime minister (PM), Governor, Former president (FP), Deputy Prime Minister (DPM), Deputy Chairman (DC) in decreasing order where the deputy chairman is Junior most rank and President is the Senior-most rank. Also, they belong to different parties among BJP, NCP, INC, NPP, RJD, CPI and BSP but not necessarily in the same order. B is senior from at least two persons. Three persons are designated between A and E. A is immediately senior to B. The one who is vice president belongs to RJD. G is the deputy Prime Minister but doesn't belong to NCP. C belongs to NPP. D does not belong to RJD. F is junior to C but not the junior most person among all. One person is designated between the one who belongs to NCP and the one who belongs to BJP. At most three persons are senior to the one who belongs to BJP. The person who belongs to BSP is immediately senior to the one who belongs to INC.
(a) The one who belongs to INC
(b) G
(c) D
(d) The one who belongs to CPI
(e) F
Ans.(a)
Sol. Final arrangement:

Designations	Persons	Parties
President	C	NPP
Vice President (VP)	F	RJD
Prime Minister (PM)	A	BJP
Governor	B	CPI
Former President (FP)	D	NCP
Deputy Prime Minister ()	G	BSP
Deputy Chairman (DC)	E	INC

Q19. Which of the following statement is/are true with respect to the final arrangement?
I. Only two floors are there between shops of F and H.
II. C has a shop on an odd-numbered floor.
III. I has a shop immediately above H's shop.
Study the following information carefully and answer the below questions
Nine persons - A, B, C, D, E, F, G, Hand I have a shop on nine different floors in the mall, but not necessarily in the same order. The lowermost floor is numbered as one and the topmost floor is numbered as nine. E has a shop two floors below l's shop. I have a shop four floors above G's shop, which is on an even-numbered floor. Two floors are there between the shops of I and C. The number of floors above C's shop is the same as below B's shop. One floor is there between shops of B and A, which is not adjacent to I' 's shop. F has a shop three floors above H's shop. The number of floors between shops of D and C is the same as between the shop of H and A.
(a) Only I and Ill
(b) Only III
(c) Only I and II
(d) Only II
(e) All I, II, and Ill
Ans.(e)
Sol. Final arrangement:

Floors	Shops Name
9	C
8	F
7	D
6	I
5	H
4	E
3	A
2	G
1	B

Q20. If C is related to D and A is related to B in a certain way, then who among the following person is related to E?
Study the following information carefully and answer the below questions
Nine persons - A, B, C, D, E, F, G, Hand I have a shop on nine different floors in the mall, but not necessarily in the same order. The lowermost floor is numbered as one and the topmost floor is numbered as nine. E has a shop two floors below l's shop. I have a shop four floors above G's shop, which is on an even-numbered floor. Two floors are there between the shops of I and C. The number of floors above C's shop is the same as below B's shop. One floor is there between shops of B and A, which is not adjacent to I' 's shop. F has a shop three floors above H's shop. The number of floors between shops of D and C is the same as between the shop of H and A.
(a) A
(b) E
(c) F
(d) The one who has the shop immediately above H's shop
(e) G
Ans.(d)
Sol. Final arrangement:

Floors	Shops Name
9	C
8	F
7	D
6	I
5	H
4	E
3	A
2	G
1	B

Q21. According to the passage, what is the theory behind the presence of water on moon's surface?

Read the following passage and answer the give questions accordingly.

Lunar water is water that is present on the Moon. It was first discovered by ISRO through its Chandrayaan mission. Diffused water molecules can persist at the Moon's sunlit surface, as discovered by NASA's SOFIA observatory in 2020. Gradually water vapor is decomposed by sunlight, leaving hydrogen and oxygen lost to outer space. Scientists have found water ice in the cold, permanently shadowed craters at the Moon's poles. Water molecules are also in the extremely thin lunar atmosphere.

Water (H2O), and the chemically related hydroxyl group (-OH), exist in forms chemically bound as hydrates and hydroxides to lunar minerals (rather than free water), and evidence strongly suggests that this is the case in low concentrations as for much of the Moon's surface. In fact, of surface matter, adsorbed water is calculated to exist at trace concentrations of 10 to 1000 parts per million. Inconclusive evidence of free water ice at the lunar poles had accumulated during the second half of the 20th century from a variety of observations suggesting the presence of bound hydrogen.

On 18 August 1976, the Soviet Luna 24 probe landed at Mare Crisium, took samples from the depths of 118, 143, and 184 cm of the lunar regolith, and then took them to Earth. In February 1978, it was published that laboratory analysis of these samples shown they contained 0.1% water by mass. Spectral measurements shown minima near 3, 5, and 6 km, distinctive valence-vibration bands for water molecules, with intensities two or three times larger than the noise level.

On 24 September 2009, it was reported that the NASA's Moon Mineralogy Mapper (M3) spectrometer onboard India's ISRO Chandrayaan-1 probe had detected absorption features near 2.8—3.0 km on the surface of the Moon. But about 10 months before, on 14 November 2008, India's made Moon Impact Probe onboard Chandrayaan-1 orbiter landed into Shackleton crater and confirmed the presence of water ice. For silicate bodies, such features are typically attributed to hydroxyl- and/or water-bearing materials. In August 2018, NASA confirmed that M3 showed water ice is present on the surface at the Moon poles. Water was confirmed to be on the sunlit surface of the Moon by ISRO on October 26, 2020. Water may have been delivered to the Moon over geological timescales by the regular bombard ment of water-bearing comets, asteroids, and meteoroids or continuously produced in situ by the hydrogen ions (protons) of the solar wind impacting oxygen-bearing minerals.

The search for the presence of lunar water has attracted considerable attention and motivated several recent lunar missions, largely because of water's usefulness in rendering long-term lunar habitation feasible.

The presence of large quantities of water on the Moon would be an important factor in rendering lunar habitation cost-effective since transporting water (or hydrogen and oxygen) from Earth would be prohibitively expensive. If future investigations find the quantities to be particularly large, water ice could be mined to provide liquid water for drinking and plant propagation, and the water could also be split into hydrogen and oxygen by solar panel- equipped electric power stations or a nuclear generator, providing breathable oxygen as well as the components of rocket fuel. The hydrogen component of the water ice could also be used to draw out the oxides in the lunar soil and harvest even more oxygen.

(a) Water may have been delivered to the moon over geological timescales by the regular bombardment of water-bearing comets, asteroids, and meteoroids.

(b) Water may have been delivered to the moon over geological timescales by the regular bombardment of planets.

(c) Water may have been delivered to the moon over geological timescales by the regular bombardment of spaceships.

(d) Water is stored within glasses or in voids between grains sheltered from the harsh lunar environment, thus allowing the water to remain on the lunar surface.

(e) The surface of that crater is covered in glacier.

Ans.(a)

Sol. A) Water may have been delivered to the moon over geological timescales by the regular bombardment of water-bearing comets, asteroids, and meteoroids.

This option is the correct answer according to the passage. It suggests that water on the Moon may have come from the impact of water-bearing celestial objects like comets, asteroids, and meteoroids over long periods of time.
B) Water may have been delivered to the moon over geological timescales by the regular bombardment of planets.
This option is incorrect. The passage does not mention the bombardment of planets as a source of lunar water. It specifically refers to water-bearing comets, asteroids, and meteoroids.
C) Water may have been delivered to the moon over geological timescales by the regular bombardment of spaceships.
This option is not mentioned in the passage at all. The passage discusses natural celestial objects like comets and asteroids, not human-made spaceships.
D) Water is stored within glasses or in voids between grains sheltered from the harsh lunar environment, thus allowing the water to remain on the lunar surface.
This statement is not the theory behind the presence of water on the Moon but rather describes a potential mechanism for water to be retained on the lunar surface. It's a valid concept related to lunar water but not the main theory discussed in the passage.
E) The surface of that crater is covered in glacier.
This statement is not supported by the passage. While it mentions water ice in the cold, permanently shadowed craters at the Moon's poles, it does not refer to glaciers on the lunar surface in the way this option suggests.
In summary, option A accurately reflects the theory mentioned in the passage regarding the source of lunar water, while the other options are either unsupported or incorrect based on the information provided in the passage.

Q22. Why is discovery of water important on the moon's surface?
Read the following passage and answer the give questions accordingly.
Lunar water is water that is present on the Moon. It was first discovered by ISRO through its Chandrayaan mission. Diffused water molecules can persist at the Moon's sunlit surface, as discovered by NASA's SOFIA observatory in 2020. Gradually water vapor is decomposed by sunlight, leaving hydrogen and oxygen lost to outer space. Scientists have found water ice in the cold, permanently shadowed craters at the Moon's poles. Water molecules are also in the extremely thin lunar atmosphere.
Water (H2O), and the chemically related hydroxyl group (-OH), exist in forms chemically bound as hydrates and hydroxides to lunar minerals (rather than free water), and evidence strongly suggests that this is the case in low concentrations as for much of the Moon's surface. In fact, of surface matter, adsorbed water is calculated to exist at trace concentrations of 10 to 1000 parts per million. Inconclusive evidence of free water ice at the lunar poles had accumulated during the second half of the 20th century from a variety of observations suggesting the presence of bound hydrogen.
On 18 August 1976, the Soviet Luna 24 probe landed at Mare Crisium, took samples from the depths of 118, 143, and 184 cm of the lunar regolith, and then took them to Earth. In February 1978, it was published that laboratory analysis of these samples shown they contained 0.1% water by mass. Spectral measurements shown minima near 3, 5, and 6 km, distinctive valence-vibration bands for water molecules, with intensities two or three times larger than the noise level.
On 24 September 2009, it was reported that the NASA's Moon Mineralogy Mapper (M3) spectrometer onboard India's ISRO Chandrayaan-1 probe had detected absorption features near 2.8—3.0 km on the surface of the Moon. But about 10 months before, on 14 November 2008, India's made Moon Impact Probe onboard Chandrayaan-1 orbiter landed into Shackleton crater and confirmed the presence of water ice. For silicate bodies, such features are typically attributed to hydroxyl- and/or water-bearing materials. In August 2018, NASA confirmed that M3 showed water ice is present on the surface at the Moon poles. Water was confirmed to be on the sunlit surface of the Moon by ISRO on October 26, 2020. Water may have been delivered to the Moon over geological timescales by the regular bombard ment of water-bearing comets, asteroids, and meteoroids or continuously produced in situ by the hydrogen ions (protons) of the solar wind impacting oxygen-bearing minerals.
The search for the presence of lunar water has attracted considerable attention and motivated several recent lunar missions, largely because of water's usefulness in rendering long-term lunar habitation feasible.
The presence of large quantities of water on the Moon would be an important factor in rendering lunar habitation cost-effective since transporting water (or hydrogen and oxygen) from Earth would be prohibitively expensive. If future investigations find the quantities to be particularly large, water ice could be mined to provide liquid water for drinking and plant propagation, and the water could also be split into hydrogen and oxygen by solar panel- equipped electric power stations or a nuclear generator, providing breathable oxygen as well as the components of rocket fuel. The hydrogen component of the water ice could also be used to draw out the oxides in the lunar soil and harvest even more oxygen.
(a) in rendering long term lunar habitation feasible.
(b) to harvest the seeds.
(c) in rendering lunar habitat cost-effective.
(d) Both a and c
(e) Both a and b
Ans.(d)

Sol. The discovery of water on the Moon's surface is important both in rendering long-term lunar habitation feasible (providing a source of water for drinking and plant propagation) and in rendering lunar habitat cost-effective (reducing the need to transport water or its components, hydrogen and oxygen, from Earth).

Q23. How water could also be split into hydrogen and oxygen?
Read the following passage and answer the give questions accordingly.
Lunar water is water that is present on the Moon. It was first discovered by ISRO through its Chandrayaan mission. Diffused water molecules can persist at the Moon's sunlit surface, as discovered by NASA's SOFIA observatory in 2020. Gradually water vapor is decomposed by sunlight, leaving hydrogen and oxygen lost to outer space. Scientists have found water ice in the cold, permanently shadowed craters at the Moon's poles. Water molecules are also in the extremely thin lunar atmosphere.
Water (H2O), and the chemically related hydroxyl group (-OH), exist in forms chemically bound as hydrates and hydroxides to lunar minerals (rather than free water), and evidence strongly suggests that this is the case in low concentrations as for much of the Moon's surface. In fact, of surface matter, adsorbed water is calculated to exist at trace concentrations of 10 to 1000 parts per million. Inconclusive evidence of free water ice at the lunar poles had accumulated during the second half of the 20th century from a variety of observations suggesting the presence of bound hydrogen.
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The search for the presence of lunar water has attracted considerable attention and motivated several recent lunar missions, largely because of water's usefulness in rendering long-term lunar habitation feasible.
The presence of large quantities of water on the Moon would be an important factor in rendering lunar habitation cost-effective since transporting water (or hydrogen and oxygen) from Earth would be prohibitively expensive. If future investigations find the quantities to be particularly large, water ice could be mined to provide liquid water for drinking and plant propagation, and the water could also be split into hydrogen and oxygen by solar panel- equipped electric power stations or a nuclear generator, providing breathable oxygen as well as the components of rocket fuel. The hydrogen component of the water ice could also be used to draw out the oxides in the lunar soil and harvest even more oxygen.
(a) by mining
(b) by solar-panel equipped electric power stations.
(c) by nuclear generator.
(d) Both b and c.
(e) None of the above.
Ans.(d)
Sol. Water can be split into hydrogen and oxygen by using either solar-panel-equipped electric power stations or a nuclear generator, as mentioned in the passage.

Q24. Which was the first mission to discover the lunar water?
Read the following passage and answer the give questions accordingly.
Lunar water is water that is present on the Moon. It was first discovered by ISRO through its Chandrayaan mission. Diffused water molecules can persist at the Moon's sunlit surface, as discovered by NASA's SOFIA observatory in 2020. Gradually water vapor is decomposed by sunlight, leaving hydrogen and oxygen lost to outer space. Scientists have found water ice in the cold, permanently shadowed craters at the Moon's poles. Water molecules are also in the extremely thin lunar atmosphere.
Water (H2O), and the chemically related hydroxyl group (-OH), exist in forms chemically bound as hydrates and hydroxides to lunar minerals (rather than free water), and evidence strongly suggests that this is the case in low concentrations as for much of the Moon's surface. In fact, of surface matter, adsorbed water is calculated to exist at trace concentrations of 10 to

1000 parts per million. Inconclusive evidence of free water ice at the lunar poles had accumulated during the second half of the 20th century from a variety of observations suggesting the presence of bound hydrogen.
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On 24 September 2009, it was reported that the NASA's Moon Mineralogy Mapper (M3) spectrometer onboard India's ISRO Chandrayaan-1 probe had detected absorption features near 2.8—3.0 km on the surface of the Moon. But about 10 months before, on 14 November 2008, India's made Moon Impact Probe onboard Chandrayaan-1 orbiter landed into Shackleton crater and confirmed the presence of water ice. For silicate bodies, such features are typically attributed to hydroxyl- and/or water-bearing materials. In August 2018, NASA confirmed that M3 showed water ice is present on the surface at the Moon poles. Water was confirmed to be on the sunlit surface of the Moon by ISRO on October 26, 2020. Water may have been delivered to the Moon over geological timescales by the regular bombard ment of water-bearing comets, asteroids, and meteoroids or continuously produced in situ by the hydrogen ions (protons) of the solar wind impacting oxygen-bearing minerals.
The search for the presence of lunar water has attracted considerable attention and motivated several recent lunar missions, largely because of water's usefulness in rendering long-term lunar habitation feasible.
The presence of large quantities of water on the Moon would be an important factor in rendering lunar habitation cost-effective since transporting water (or hydrogen and oxygen) from Earth would be prohibitively expensive. If future investigations find the quantities to be particularly large, water ice could be mined to provide liquid water for drinking and plant propagation, and the water could also be split into hydrogen and oxygen by solar panel- equipped electric power stations or a nuclear generator, providing breathable oxygen as well as the components of rocket fuel. The hydrogen component of the water ice could also be used to draw out the oxides in the lunar soil and harvest even more oxygen.
(a) Chandrayan Mission.
(b) NASA's SOFIA.
(c) Luna 24.
(d) Both (a) and (b)
(e) Both (b) and (c)
Ans.(a)
Sol. The passage mentions that lunar water was first discovered by ISRO (Indian Space Research Organization) through its Chandrayaan mission.

Q25. According to the passage, which of the following statements is correct?
Read the following passage and answer the give questions accordingly.
Lunar water is water that is present on the Moon. It was first discovered by ISRO through its Chandrayaan mission. Diffused water molecules can persist at the Moon's sunlit surface, as discovered by NASA's SOFIA observatory in 2020. Gradually water vapor is decomposed by sunlight, leaving hydrogen and oxygen lost to outer space. Scientists have found water ice in the cold, permanently shadowed craters at the Moon's poles. Water molecules are also in the extremely thin lunar atmosphere.
Water (H2O), and the chemically related hydroxyl group (-OH), exist in forms chemically bound as hydrates and hydroxides to lunar minerals (rather than free water), and evidence strongly suggests that this is the case in low concentrations as for much of the Moon's surface. In fact, of surface matter, adsorbed water is calculated to exist at trace concentrations of 10 to 1000 parts per million. Inconclusive evidence of free water ice at the lunar poles had accumulated during the second half of the 20th century from a variety of observations suggesting the presence of bound hydrogen.
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On 24 September 2009, it was reported that the NASA's Moon Mineralogy Mapper (M3) spectrometer onboard India's ISRO Chandrayaan-1 probe had detected absorption features near 2.8—3.0 km on the surface of the Moon. But about 10 months before, on 14 November 2008, India's made Moon Impact Probe onboard Chandrayaan-1 orbiter landed into Shackleton crater and confirmed the presence of water ice. For silicate bodies, such features are typically attributed to hydroxyl- and/or water-bearing materials. In August 2018, NASA confirmed that M3 showed water ice is present on the surface at the Moon poles. Water was confirmed to be on the sunlit surface of the Moon by ISRO on October 26, 2020. Water may have been delivered to the Moon over geological timescales by the regular bombard ment of water-bearing comets, asteroids, and meteoroids or continuously produced in situ by the hydrogen ions (protons) of the solar wind impacting oxygen-bearing minerals.

The search for the presence of lunar water has attracted considerable attention and motivated several recent lunar missions, largely because of water's usefulness in rendering long-term lunar habitation feasible.
The presence of large quantities of water on the Moon would be an important factor in rendering lunar habitation cost-effective since transporting water (or hydrogen and oxygen) from Earth would be prohibitively expensive. If future investigations find the quantities to be particularly large, water ice could be mined to provide liquid water for drinking and plant propagation, and the water could also be split into hydrogen and oxygen by solar panel- equipped electric power stations or a nuclear generator, providing breathable oxygen as well as the components of rocket fuel. The hydrogen component of the water ice could also be used to draw out the oxides in the lunar soil and harvest even more oxygen.
(a) NASA's made Moon Impact Probe onboard Chand rayan — 1 orbiter landed into Shackleton crater and confirmed the presence of water ice.
(b) The search for the presence of Martian water has attracted considerable attention.
(c) In August 2018, ISRO confirmed that M3 showed water ice is present on the surface of the moon poles.
(d) Water vapor is decomposed by sun light.
(e) None of the above.
Ans.(e)
Sol. None of the statements in options (a), (b), (c), or (d) accurately represent the information provided in the passage.

Q26. What is the antonym of "persist"?
Read the following passage and answer the give questions accordingly.
Lunar water is water that is present on the Moon. It was first discovered by ISRO through its Chandrayaan mission. Diffused water molecules can persist at the Moon's sunlit surface, as discovered by NASA's SOFIA observatory in 2020. Gradually water vapor is decomposed by sunlight, leaving hydrogen and oxygen lost to outer space. Scientists have found water ice in the cold, permanently shadowed craters at the Moon's poles. Water molecules are also in the extremely thin lunar atmosphere.
Water (H2O), and the chemically related hydroxyl group (-OH), exist in forms chemically bound as hydrates and hydroxides to lunar minerals (rather than free water), and evidence strongly suggests that this is the case in low concentrations as for much of the Moon's surface. In fact, of surface matter, adsorbed water is calculated to exist at trace concentrations of 10 to 1000 parts per million. Inconclusive evidence of free water ice at the lunar poles had accumulated during the second half of the 20th century from a variety of observations suggesting the presence of bound hydrogen.
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The search for the presence of lunar water has attracted considerable attention and motivated several recent lunar missions, largely because of water's usefulness in rendering long-term lunar habitation feasible.
The presence of large quantities of water on the Moon would be an important factor in rendering lunar habitation cost-effective since transporting water (or hydrogen and oxygen) from Earth would be prohibitively expensive. If future investigations find the quantities to be particularly large, water ice could be mined to provide liquid water for drinking and plant propagation, and the water could also be split into hydrogen and oxygen by solar panel- equipped electric power stations or a nuclear generator, providing breathable oxygen as well as the components of rocket fuel. The hydrogen component of the water ice could also be used to draw out the oxides in the lunar soil and harvest even more oxygen.
(a) persevere
(b) continue
(c) insist
(d) abandon
(e) endure
Ans.(d)
Sol. (a) persevere - This is a synonym of "persist." It means to continue in a course of action despite difficulties or obstacles.
(b) continue - This is also a synonym of "persist." It means to keep doing something without interruption.

(c) insist - This is related to persistence but is not an exact antonym. It means to demand forcefully or to assert a point strongly.
(d) abandon - This is the correct antonym of "persist." It means to give up or cease to support or continue something.
(e) endure - This is similar to "persist" in the sense of enduring or bearing with something, so it is not a direct antonym.
So, among the given options, "abandon" is the most suitable antonym for "persist."

Q27. What is the meaning of 'in situ'?
Read the following passage and answer the give questions accordingly.
Lunar water is water that is present on the Moon. It was first discovered by ISRO through its Chandrayaan mission. Diffused water molecules can persist at the Moon's sunlit surface, as discovered by NASA's SOFIA observatory in 2020. Gradually water vapor is decomposed by sunlight, leaving hydrogen and oxygen lost to outer space. Scientists have found water ice in the cold, permanently shadowed craters at the Moon's poles. Water molecules are also in the extremely thin lunar atmosphere.
Water (H2O), and the chemically related hydroxyl group (-OH), exist in forms chemically bound as hydrates and hydroxides to lunar minerals (rather than free water), and evidence strongly suggests that this is the case in low concentrations as for much of the Moon's surface. In fact, of surface matter, adsorbed water is calculated to exist at trace concentrations of 10 to 1000 parts per million. Inconclusive evidence of free water ice at the lunar poles had accumulated during the second half of the 20th century from a variety of observations suggesting the presence of bound hydrogen.
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(a) generosity in bestowing money or gifts upon others.
(b) in the original place.
(c) though.
(d) seize the day.
(e) for example.
Ans.(b)
Sol. "In situ" is a Latin phrase that means "in the original or natural place or position." It is often used in various contexts to refer to something that is located or occurring where it was originally found or formed.

Q28. Which of the following would be the FOURTH sentence after rearrangement?
Rearrange the following five sentences A, B, C, D and E in the proper sequence to form a meaningful paragraph and then answer the question given beside.
(A) Over the past year, perceptions of relative U.S. economic power have declined in many of America's key trading partners and allies.
(B) Following the onset of the financial crisis nearly a decade ago, Europeans increasingly named China, rather than the U.S., as the world's leading economic power.
(C) This year, however, the pattern has reversed itself again, and in countries such as Germany, the United Kingdom and Spain, China is once more seen as occupying the top spot.

(D) But in recent years, as the American economy slowly recovered, the pendulum began to swing back in the direction of the U.S.
(E) The trend can be seen in several European countries, where views about the economic balance of power have fluctuated in recent years.
(a) E
(b) C
(c) D
(d) B
(e) A
Ans.(c)
Sol. the explanation for the correct sequence (AEBDC) of the sentences to form a meaningful paragraph:
A) "Over the past year, perceptions of relative U.S. economic power have declined in many of America's key trading partners and allies."
This sentence introduces the idea that perceptions of U.S. economic power have declined recently.
E) "The trend can be seen in several European countries, where views about the economic balance of power have fluctuated in recent years."
This sentence provides context by mentioning that this trend is visible in European countries, where views on economic power have been changing.
B) "Following the onset of the financial crisis nearly a decade ago, Europeans increasingly named China, rather than the U.S., as the world's leading economic power."
This sentence explains the shift in perceptions that occurred after the financial crisis, with Europeans considering China as the leading economic power.
D) "But in recent years, as the American economy slowly recovered, the pendulum began to swing back in the direction of the U.S."
This sentence discusses the reversal of the trend as the U.S. economy recovered, and perceptions started shifting back in favor of the U.S.
C) "This year, however, the pattern has reversed itself again, and in countries such as Germany, the United Kingdom and Spain, China is once more seen as occupying the top spot."
Finally, this sentence summarizes the current situation where the trend has reversed again in the current year, with China being seen as the top economic power in countries like Germany, the United Kingdom, and Spain.
The sequence of sentences progresses from the initial decline in perceptions of U.S. economic power to the shift towards China, then the swing back towards the U.S., and finally, the current reversal of the trend back in favor of China. This sequence forms a coherent narrative about changing perceptions of economic power.

Q29. Which of the following would be the LAST sentence after rearrangement?
Rearrange the following five sentences A, B, C, D and E in the proper sequence to form a meaningful paragraph and then answer the question given beside.
(A) Over the past year, perceptions of relative U.S. economic power have declined in many of America's key trading partners and allies.
(B) Following the onset of the financial crisis nearly a decade ago, Europeans increasingly named China, rather than the U.S., as the world's leading economic power.
(C) This year, however, the pattern has reversed itself again, and in countries such as Germany, the United Kingdom and Spain, China is once more seen as occupying the top spot.
(D) But in recent years, as the American economy slowly recovered, the pendulum began to swing back in the direction of the U.S.
(E) The trend can be seen in several European countries, where views about the economic balance of power have fluctuated in recent years.
(a) E
(b) C
(c) D
(d) B
(e) A
Ans.(b)
Sol. the explanation for the correct sequence (AEBDC) of the sentences to form a meaningful paragraph:
A) "Over the past year, perceptions of relative U.S. economic power have declined in many of America's key trading partners and allies."
This sentence introduces the idea that perceptions of U.S. economic power have declined recently.

E) "The trend can be seen in several European countries, where views about the economic balance of power have fluctuated in recent years."
This sentence provides context by mentioning that this trend is visible in European countries, where views on economic power have been changing.
B) "Following the onset of the financial crisis nearly a decade ago, Europeans increasingly named China, rather than the U.S., as the world's leading economic power."
This sentence explains the shift in perceptions that occurred after the financial crisis, with Europeans considering China as the leading economic power.
D) "But in recent years, as the American economy slowly recovered, the pendulum began to swing back in the direction of the U.S."
This sentence discusses the reversal of the trend as the U.S. economy recovered, and perceptions started shifting back in favor of the U.S.
C) "This year, however, the pattern has reversed itself again, and in countries such as Germany, the United Kingdom and Spain, China is once more seen as occupying the top spot."
Finally, this sentence summarizes the current situation where the trend has reversed again in the current year, with China being seen as the top economic power in countries like Germany, the United Kingdom, and Spain.
The sequence of sentences progresses from the initial decline in perceptions of U.S. economic power to the shift towards China, then the swing back towards the U.S., and finally, the current reversal of the trend back in favor of China. This sequence forms a coherent narrative about changing perceptions of economic power.

Q30. Which of the following would be the FIRST sentence after rearrangement?
Rearrange the following five sentences A, B, C, D and E in the proper sequence to form a meaningful paragraph and then answer the question given beside.
(A) Over the past year, perceptions of relative U.S. economic power have declined in many of America's key trading partners and allies.
(B) Following the onset of the financial crisis nearly a decade ago, Europeans increasingly named China, rather than the U.S., as the world's leading economic power.
(C) This year, however, the pattern has reversed itself again, and in countries such as Germany, the United Kingdom and Spain, China is once more seen as occupying the top spot.
(D) But in recent years, as the American economy slowly recovered, the pendulum began to swing back in the direction of the U.S.
(E) The trend can be seen in several European countries, where views about the economic balance of power have fluctuated in recent years.
(a) E
(b) C
(c) D
(d) B
(e) A
Ans.(e)
Sol. the explanation for the correct sequence (AEBDC) of the sentences to form a meaningful paragraph:
A) "Over the past year, perceptions of relative U.S. economic power have declined in many of America's key trading partners and allies."
This sentence introduces the idea that perceptions of U.S. economic power have declined recently.
E) "The trend can be seen in several European countries, where views about the economic balance of power have fluctuated in recent years."
This sentence provides context by mentioning that this trend is visible in European countries, where views on economic power have been changing.
B) "Following the onset of the financial crisis nearly a decade ago, Europeans increasingly named China, rather than the U.S., as the world's leading economic power."
This sentence explains the shift in perceptions that occurred after the financial crisis, with Europeans considering China as the leading economic power.
D) "But in recent years, as the American economy slowly recovered, the pendulum began to swing back in the direction of the U.S."
This sentence discusses the reversal of the trend as the U.S. economy recovered, and perceptions started shifting back in favor of the U.S.
C) "This year, however, the pattern has reversed itself again, and in countries such as Germany, the United Kingdom and Spain, China is once more seen as occupying the top spot."

Finally, this sentence summarizes the current situation where the trend has reversed again in the current year, with China being seen as the top economic power in countries like Germany, the United Kingdom, and Spain.
The sequence of sentences progresses from the initial decline in perceptions of U.S. economic power to the shift towards China, then the swing back towards the U.S., and finally, the current reversal of the trend back in favor of China. This sequence forms a coherent narrative about changing perceptions of economic power.

Q31. Which of the following would be the SECOND sentence after rearrangement?
Rearrange the following five sentences A, B, C, D and E in the proper sequence to form a meaningful paragraph and then answer the question given beside.
(A) Over the past year, perceptions of relative U.S. economic power have declined in many of America's key trading partners and allies.
(B) Following the onset of the financial crisis nearly a decade ago, Europeans increasingly named China, rather than the U.S., as the world's leading economic power.
(C) This year, however, the pattern has reversed itself again, and in countries such as Germany, the United Kingdom and Spain, China is once more seen as occupying the top spot.
(D) But in recent years, as the American economy slowly recovered, the pendulum began to swing back in the direction of the U.S.
(E) The trend can be seen in several European countries, where views about the economic balance of power have fluctuated in recent years.
(a) B
(b) A
(c) C
(d) D
(e) E
Ans.(e)
Sol. the explanation for the correct sequence (AEBDC) of the sentences to form a meaningful paragraph:
A) "Over the past year, perceptions of relative U.S. economic power have declined in many of America's key trading partners and allies."
This sentence introduces the idea that perceptions of U.S. economic power have declined recently.
E) "The trend can be seen in several European countries, where views about the economic balance of power have fluctuated in recent years."
This sentence provides context by mentioning that this trend is visible in European countries, where views on economic power have been changing.
B) "Following the onset of the financial crisis nearly a decade ago, Europeans increasingly named China, rather than the U.S., as the world's leading economic power."
This sentence explains the shift in perceptions that occurred after the financial crisis, with Europeans considering China as the leading economic power.
D) "But in recent years, as the American economy slowly recovered, the pendulum began to swing back in the direction of the U.S."
This sentence discusses the reversal of the trend as the U.S. economy recovered, and perceptions started shifting back in favor of the U.S.
C) "This year, however, the pattern has reversed itself again, and in countries such as Germany, the United Kingdom and Spain, China is once more seen as occupying the top spot."
Finally, this sentence summarizes the current situation where the trend has reversed again in the current year, with China being seen as the top economic power in countries like Germany, the United Kingdom, and Spain.
The sequence of sentences progresses from the initial decline in perceptions of U.S. economic power to the shift towards China, then the swing back towards the U.S., and finally, the current reversal of the trend back in favor of China. This sequence forms a coherent narrative about changing perceptions of economic power.

Q32. Which of the following would be the THIRD sentence after rearrangement?
Rearrange the following five sentences A, B, C, D and E in the proper sequence to form a meaningful paragraph and then answer the question given beside.
(A) Over the past year, perceptions of relative U.S. economic power have declined in many of America's key trading partners and allies.
(B) Following the onset of the financial crisis nearly a decade ago, Europeans increasingly named China, rather than the U.S., as the world's leading economic power.

(C) This year, however, the pattern has reversed itself again, and in countries such as Germany, the United Kingdom and Spain, China is once more seen as occupying the top spot.
(D) But in recent years, as the American economy slowly recovered, the pendulum began to swing back in the direction of the U.S.
(E) The trend can be seen in several European countries, where views about the economic balance of power have fluctuated in recent years.
(a) D
(b) A
(c) C
(d) E
(e) B
Ans.(e)
Sol. the explanation for the correct sequence (AEBDC) of the sentences to form a meaningful paragraph:
A) "Over the past year, perceptions of relative U.S. economic power have declined in many of America's key trading partners and allies."
This sentence introduces the idea that perceptions of U.S. economic power have declined recently.
E) "The trend can be seen in several European countries, where views about the economic balance of power have fluctuated in recent years."
This sentence provides context by mentioning that this trend is visible in European countries, where views on economic power have been changing.
B) "Following the onset of the financial crisis nearly a decade ago, Europeans increasingly named China, rather than the U.S., as the world's leading economic power."
This sentence explains the shift in perceptions that occurred after the financial crisis, with Europeans considering China as the leading economic power.
D) "But in recent years, as the American economy slowly recovered, the pendulum began to swing back in the direction of the U.S."
This sentence discusses the reversal of the trend as the U.S. economy recovered, and perceptions started shifting back in favor of the U.S.
C) "This year, however, the pattern has reversed itself again, and in countries such as Germany, the United Kingdom and Spain China is once more seen as occupying the top spot."
Finally, this sentence summarizes the current situation where the trend has reversed again in the current year, with China being seen as the top economic power in countries like Germany, the United Kingdom, and Spain.
The sequence of sentences progresses from the initial decline in perceptions of U.S. economic power to the shift towards China, then the swing back towards the U.S., and finally, the current reversal of the trend back in favor of China. This sequence forms a coherent narrative about changing perceptions of economic power.

Q33. Louisiana communities faced (A) by Hurricane Ida battered (B) a new danger as they began the repairing (C) task of clearing debris and massive (D) damage from the storm.
In the following questions, four words have been highlighted. These words may or may not be at their correct position. Following each question four possible arrangements are provided. Choose the arrangement that will make the given sentence contextually meaningful and grammatically correct as your answer.
(a) CDBA
(b) ABDC
(c) BADC
(d) BACD
(e) No rearrangement required
Ans.(b)
Sol. The correct sentence is:
Louisiana communities faced (A) by Hurricane Ida battered (B) a new danger as they began the massive(D) task of clearing debris and repairing (C) damage from the storm.

Q34. China's Tianwen — 1 Mars mission will be disruption (A) for about 50 days from mid- September due to an unexpected inactivated (B) of its communication (C) with Earth caused (D) by the solar electromagnetic radiation.
In the following questions, four words have been highlighted. These words may or may not be at their correct position. Following each question four possible arrangements are provided. Choose the arrangement that will make the given sentence contextually meaningful and grammatically correct as your answer.
(a) BACD

(b) ABDC
(c) ACBD
(d) BCDA
(e) No Improvement
Ans.(a)
Sol. China's Tianwen — 1 Mars mission will be inactivated (B) for about 50 days from mid- September due to an unexpected disruption (A) of its communication (C) with Earth caused (D) by the solar electromagnetic radiation.

Q35. Sports brings country (A) and natural (B) from across the witness (C) and the globe together — tennis, as a sport, has a communities (D) social distancing — so it's great to people (E)it back in action.
In the following sentence, five words are given in bold and marked A, B, C, D,
E. These words may or may not be placed in their places. Four options with different arrangements of these words are given. If there is no need for interchanging, then "No rearrangement required" can be selected.
(a) DEABC
(b) CEDAB
(c) BADCE
(d) DABCE
(e) No rearrangement required
Ans.(a)
Sol. The correct sentence is:
"Sports brings communities (D) and people (E) from across the country (A) and the globe together — tennis, as a sport, has a natural(B) social distancing — so it's great to witness (C) it back in action."

Q36. Matched (A) Andre Agassi his all-time opponent (B) favourite (C) on the court, Paes says that their styles of play always calling (D) up against each other over decades.
In the following sentence, five words are given in bold and marked A, B, C, D,
E. These words may or may not be placed in their places. Four options with different arrangements of these words are given. If there is no need for interchanging, then "No rearrangement required" can be selected.
(a) BCAD
(b) ADCB
(c) CDAB
(d) DACB
(e) No rearrangement required
Ans.(a)
Sol. The corrected sentence is:
Opponent (B) Andre Agassi his all-time favourite (C) matched(A) on the court, Paes says that their styles of play always calling (D) up against each other over decades.

Q37. One of the most decorated (A) sportsman (B) in the country and greatest doubles players in the history (C) of Tennis, Leander Paes has seen (D) it all during his inspirational career that goes back over three decades.
In the following sentence, five words are given in bold and marked A, B, C, D,
E. These words may or may not be placed in their places. Four options with different arrangements of these words are given. If there is no need for interchanging, then "No rearrangement required" can be selected.
(a) ADBC
(b) DCBA
(c) DBCA
(d) CADB
(e) No rearrangement required
Ans.(e)
Sol. No rearrangement required

Q38. When we exercise, our muscles process insulin and absorb the resulting glucose as energy. Reduce that energy expenditure and your muscles will adapt physiologically to become a little less insulin sensitive, says John Thyfault, a researcher at the University of Kansas.

Losing insulin sensitivity means your body converts sugar into fat rather than using it as energy to power your movements. And while that___(38)____ helped our hunter-gatherer ancestors survive a feast-or-famine lifestyle, it's bad news for the modern desk jockey, because improper regulation of insulin can ___(39)____ your cells to store some of what's not used in muscle movement as fat. This change puts you at greater risk for the foundation of other conditions, such as Type 2 diabetes and inflammation.
Thankfully, your body can adapt pretty quickly to increased insulin sensitivity with just a little bit of exercise and healthier eating. High-volume and high-intensity exercise can be equally effective at making your body more sensitive. Just a 30-minute walk or a ten-minute HIIT regimen a few times a week will ___(40)____ for keeping your body eagerly processing insulin.
You're going to get small—and it'll happen fast. The ___(41)____ gains you made from a lifting routine will ___(42)____ within a week of quitting the weights. But smaller doesn't mean weaker.
In the following passage, some of the words/sentences have been left out, each of which is indicated by a letter. Find the suitable word/sentence from the options given against each number and fill up the blanks with appropriate words/sentences to make the paragraph meaningful.
(a) Impediment
(b) Discreet
(c) Vie
(d) Adaptation
(e) Congregation
Ans.(d)
Sol. The suitable word for the blank is (d) Adaptation.
Sentence: "And while that adaptation helped our hunter-gatherer ancestors survive a feast-or-famine lifestyle, it's bad news for the modern desk jockey..."
Explanation: The word "adaptation" fits here as it implies that the physiological changes in muscles (reducing insulin sensitivity) were adaptations that helped our ancestors survive.

Q39. When we exercise, our muscles process insulin and absorb the resulting glucose as energy. Reduce that energy expenditure and your muscles will adapt physiologically to become a little less insulin sensitive, says John Thyfault, a researcher at the University of Kansas.
Losing insulin sensitivity means your body converts sugar into fat rather than using it as energy to power your movements. And while that___(38)____ helped our hunter-gatherer ancestors survive a feast-or-famine lifestyle, it's bad news for the modern desk jockey, because improper regulation of insulin can ___(39)____ your cells to store some of what's not used in muscle movement as fat. This change puts you at greater risk for the foundation of other conditions, such as Type 2 diabetes and inflammation.
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You're going to get small—and it'll happen fast. The ___(41)____ gains you made from a lifting routine will ___(42)____ within a week of quitting the weights. But smaller doesn't mean weaker.
In the following passage, some of the words/sentences have been left out, each of which is indicated by a letter. Find the suitable word/sentence from the options given against each number and fill up the blanks with appropriate words/sentences to make the paragraph meaningful.
(a) Prompt
(b) Elusive
(c) Cavort
(d) Diminish
(e) Elope
Ans.(d)
Sol. The suitable word for the blank is (d) Diminish.
Sentence: "...improper regulation of insulin can diminish your cells to store some of what's not used in muscle movement as fat."
Explanation: "Diminish" means to reduce or lessen, which fits the context of insulin sensitivity decreasing and causing fat storage.

Q40. When we exercise, our muscles process insulin and absorb the resulting glucose as energy. Reduce that energy expenditure and your muscles will adapt physiologically to become a little less insulin sensitive, says John Thyfault, a researcher at the University of Kansas.

Losing insulin sensitivity means your body converts sugar into fat rather than using it as energy to power your movements. And while that___(38)____ helped our hunter-gatherer ancestors survive a feast-or-famine lifestyle, it's bad news for the modern desk jockey, because improper regulation of insulin can ___(39)____ your cells to store some of what's not used in muscle movement as fat. This change puts you at greater risk for the foundation of other conditions, such as Type 2 diabetes and inflammation.
Thankfully, your body can adapt pretty quickly to increased insulin sensitivity with just a little bit of exercise and healthier eating. High-volume and high-intensity exercise can be equally effective at making your body more sensitive. Just a 30-minute walk or a ten-minute HIIT regimen a few times a week will ___(40)____ for keeping your body eagerly processing insulin.
You're going to get small—and it'll happen fast. The ___(41)____ gains you made from a lifting routine will ___(42)____ within a week of quitting the weights. But smaller doesn't mean weaker.
In the following passage, some of the words/sentences have been left out, each of which is indicated by a letter. Find the suitable word/sentence from the options given against each number and fill up the blanks with appropriate words/sentences to make the paragraph meaningful.
(a) Entice
(b) Fustian
(c) Break
(d) Suffice
(e) Devour
Ans.(d)
Sol. The suitable word for the blank is (d) Suffice.
Sentence: "Just a 30-minute walk or a ten-minute HIIT regimen a few times a week will suffice for keeping your body eagerly processing insulin."
Explanation: "Suffice" means to be enough or adequate, and in this context, it suggests that a short exercise routine is enough to maintain insulin sensitivity.

Q41. When we exercise, our muscles process insulin and absorb the resulting glucose as energy. Reduce that energy expenditure and your muscles will adapt physiologically to become a little less insulin sensitive, says John Thyfault, a researcher at the University of Kansas.
Losing insulin sensitivity means your body converts sugar into fat rather than using it as energy to power your movements. And while that___(38)____ helped our hunter-gatherer ancestors survive a feast-or-famine lifestyle, it's bad news for the modern desk jockey, because improper regulation of insulin can ___(39)____ your cells to store some of what's not used in muscle movement as fat. This change puts you at greater risk for the foundation of other conditions, such as Type 2 diabetes and inflammation.
Thankfully, your body can adapt pretty quickly to increased insulin sensitivity with just a little bit of exercise and healthier eating. High-volume and high-intensity exercise can be equally effective at making your body more sensitive. Just a 30-minute walk or a ten-minute HIIT regimen a few times a week will ___(40)____ for keeping your body eagerly processing insulin.
You're going to get small—and it'll happen fast. The ___(41)____ gains you made from a lifting routine will ___(42)____ within a week of quitting the weights. But smaller doesn't mean weaker.
In the following passage, some of the words/sentences have been left out, each of which is indicated by a letter. Find the suitable word/sentence from the options given against each number and fill up the blanks with appropriate words/sentences to make the paragraph meaningful.
(a) Malice
(b) Menial
(c) Visible
(d) Plausible
(e) Abstract
Ans.(c)
Sol. The suitable word for the blank is (c) Visible.
Sentence: "The visible gains you made from a lifting routine will diminish within a week of quitting the weights."
Explanation: "Visible" here refers to the physical changes in muscle size or strength that are noticeable.

Q42. When we exercise, our muscles process insulin and absorb the resulting glucose as energy. Reduce that energy expenditure and your muscles will adapt physiologically to become a little less insulin sensitive, says John Thyfault, a researcher at the University of Kansas.
Losing insulin sensitivity means your body converts sugar into fat rather than using it as energy to power your movements. And while that___(38)____ helped our hunter-gatherer ancestors survive a feast-or-famine lifestyle, it's bad news for the modern desk jockey, because improper regulation of insulin can ___(39)____ your cells to store some of what's not used in

muscle movement as fat. This change puts you at greater risk for the foundation of other conditions, such as Type 2 diabetes and inflammation.
Thankfully, your body can adapt pretty quickly to increased insulin sensitivity with just a little bit of exercise and healthier eating. High-volume and high-intensity exercise can be equally effective at making your body more sensitive. Just a 30-minute walk or a ten-minute HIIT regimen a few times a week will ____(40)_____ for keeping your body eagerly processing insulin.
You're going to get small—and it'll happen fast. The ____(41)_____ gains you made from a lifting routine will ____(42)_____ within a week of quitting the weights. But smaller doesn't mean weaker.
In the following passage, some of the words/sentences have been left out, each of which is indicated by a letter. Find the suitable word/sentence from the options given against each number and fill up the blanks with appropriate words/sentences to make the paragraph meaningful.
(a) Enhance
(b) Diminish
(c) Encapsulate
(d) Dubious
(e) Tenuous
Ans.(b)
Sol. The suitable word for the blank is (b) Diminish.
Sentence: "The visible gains you made from a lifting routine will diminish within a week of quitting the weights."
Explanation: This sentence emphasizes that the gains achieved through weightlifting will decrease or reduce (diminish) when one stops lifting weights.

Q43. Choose the word which is most opposite in meaning to word given in bold as used in the passage.
Volatile
Read the following passage carefully and answer the given questions. Certain words are given in bold to help you locate them while answering some of the questions.
On attending a conference, which focused on the role of the services sector in Indian economy I was amazed. The conference gave a very interesting perspective on the role of the service sector in the growth of Indian economy in relation to growth rates in agriculture and industry.
The current situation in India is that the growth rate of services has overtaken both agriculture and industry and is now contributing to more than 50% of GDP. The service sector has the highest growth rate and is the least volatile sector. Growth is particularly marked in public services, IT and financial services.
In some areas. the growth rate of the service sector is 40-505 due to increased use of mobile technologies. India, therefore, has, a service-oriented economy. It hasn't traditional growth models as in China. However, in the process of doing so it has skipped the manufacturing and has jumped straight from the agriculture stage to service stage, which is also the main reason for the expansion of the service sector.
In fact, the situation now is such that the growth in the service sector can and will support in the agriculture and industrial sectors. However, the only setback for Indian economy is the lack of growth in the manufacturing sector which causes dependence on other countries, which is not so desirable in terms of job creation and increased prosperity. Population is also a major concern of the Indian economy as the population of India grows so also does the number of dependents in the population in both the lower and higher age groups. In such a scenario of increasing Population, especially in an economy which still recovering from crisis, growth becomes difficult. For such an economy to grow it has to invest.
Currently, the public sector invests more than it saves. The household sector saves in surplus, but it is not increasing so it cannot continue to support private and public sectors. There is a massive need to spend on agriculture and infrastructure development of the country. Apart from that health and education should also be the priority of the government particularly the education of women in order to reduce the birth rate.
(a) Erratic
(b) Impatient
(c) Stable
(d) Solid
(e) Strained
Ans.(c)
Sol. a) Erratic - Erratic means unpredictable and inconsistent. It is similar in meaning to "volatile," as both describe something that is subject to sudden and unpredictable changes.
b) Impatient - Impatient means lacking patience or being eager for something to happen quickly. It is not the opposite of "volatile," as it doesn't describe the stability or instability of a sector.
c) Stable - Stable means not easily changed or fluctuating, which is the opposite of "volatile." In the context of the passage, "stable" describes a sector that is not subject to significant fluctuations.

d) Solid - "Solid" means firm, stable, and not easily altered. It is also an antonym of "volatile" because it implies a lack of instability or rapid changes.
e) Strained - "Strained" means tense or stressed, which is not the opposite of "volatile." It doesn't describe the stability or lack of stability in the context of the passage.
Among these options, "c) Stable" is the most appropriate antonym for "volatile" as used in the passage, as it accurately describes the opposite quality of stability.

Q44. According to the passage, which of the following is/are true about the impact of increasing population on Indian economy?
(1) If India attempts to absorb all the labour force, it will impact the growth of service sector negatively and in turn hamper the economic growth of the county.
(2) As the population of the country increases, the number of dependents in the country also increase which in turn increases the pressure on the economy.
(3) An increasing population can never lead the economy of the country towards prosperity; in fact, it can onIy put strain on the economy of a county.
Read the following passage carefully and answer the given questions. Certain words are given in bold to help you locate them while answering some of the questions.
On attending a conference, which focused on the role of the services sector in Indian economy I was amazed. The conference gave a very interesting perspective on the role of the service sector in the growth of Indian economy in relation to growth rates in agriculture and industry.
The current situation in India is that the growth rate of services has overtaken both agriculture and industry and is now contributing to more than 50% of GDP. The service sector has the highest growth rate and is the least volatile sector. Growth is particularly marked in public services, IT and financial services.
In some areas. the growth rate of the service sector is 40-505 due to increased use of mobile technologies. India, therefore, has, a service-oriented economy. It hasn't traditional growth models as in China. However, in the process of doing so it has skipped the manufacturing and has jumped straight from the agriculture stage to service stage, which is also the main reason for the expansion of the service sector.
In fact, the situation now is such that the growth in the service sector can and will support in the agriculture and industrial sectors. However, the only setback for Indian economy is the lack of growth in the manufacturing sector which causes dependence on other countries, which is not so desirable in terms of job creation and increased prosperity. Population is also a major concern of the Indian economy as the population of India grows so also does the number of dependents in the population in both the lower and higher age groups. In such a scenario of increasing Population, especially in an economy which still recovering from crisis, growth becomes difficult. For such an economy to grow it has to invest.
Currently, the public sector invests more than it saves. The household sector saves in surplus, but it is not increasing so it cannot continue to support private and public sectors. There is a massive need to spend on agriculture and infrastructure development of the country. Apart from that health and education should also be the priority of the government particularly the education of women in order to reduce the birth rate.
(a) Only 2
(b) Only 3
(c) 2 and 3
(d) 1 and 3
(e) All of these
Ans.(a)
Sol. According to the passage, 'as the population of the country increases, the number of dependents in the country also increase which in turn increases the pressure on the economy' is true about the impact of increasing population on Indian economy.

Q45. According to the passage, which of the following can be said about the agriculture and industry sectors in India?
(1) Looking at the growth of the services sector in India it can be safely said that the service sector will soon be in a position to support both agriculture and industry sector.
(2) The agriculture and the industrial sector of the country have reached their threshold and there would be no use of further investment in these sectors.
(3) Currently, the agriculture and industry sectors contribute lesser as compared to service sector to the GDP of the country.
Read the following passage carefully and answer the given questions. Certain words are given in bold to help you locate them while answering some of the questions.

On attending a conference, which focused on the role of the services sector in Indian economy I was amazed. The conference gave a very interesting perspective on the role of the service sector in the growth of Indian economy in relation to growth rates in agriculture and industry.
The current situation in India is that the growth rate of services has overtaken both agriculture and industry and is now contributing to more than 50% of GDP. The service sector has the highest growth rate and is the least volatile sector. Growth is particularly marked in public services, IT and financial services.
In some areas. the growth rate of the service sector is 40-505 due to increased use of mobile technologies. India, therefore, has, a service-oriented economy. It hasn't traditional growth models as in China. However, in the process of doing so it has skipped the manufacturing and has jumped straight from the agriculture stage to service stage, which is also the main reason for the expansion of the service sector.
In fact, the situation now is such that the growth in the service sector can and will support in the agriculture and industrial sectors. However, the only setback for Indian economy is the lack of growth in the manufacturing sector which causes dependence on other countries, which is not so desirable in terms of job creation and increased prosperity. Population is also a major concern of the Indian economy as the population of India grows so also does the number of dependents in the population in both the lower and higher age groups. In such a scenario of increasing Population, especially in an economy which still recovering from crisis, growth becomes difficult. For such an economy to grow it has to invest.
Currently, the public sector invests more than it saves. The household sector saves in surplus, but it is not increasing so it cannot continue to support private and public sectors. There is a massive need to spend on agriculture and infrastructure development of the country. Apart from that health and education should also be the priority of the government particularly the education of women in order to reduce the birth rate.
(a) Only 1
(b) Only 3
(c) 1 and 3
(d) 2 and 3
(e) All of these
Ans.(c)
Sol. 'Looking at the growth of the service sector in India it can be safely said that the service sector will soon be in a position to support both agricultural and industry sector' and 'currently the agricultural and industry sector contribute lesser as compared to service sector to the GDP of the country', are said about the agriculture and industry sectors in India.

Q46. Choose the word which is most similar in meaning to the word given in bold as used in the passage.
Perspective
Read the following passage carefully and answer the given questions. Certain words are given in bold to help you locate them while answering some of the questions.
On attending a conference, which focused on the role of the services sector in Indian economy I was amazed. The conference gave a very interesting perspective on the role of the service sector in the growth of Indian economy in relation to growth rates in agriculture and industry.
The current situation in India is that the growth rate of services has overtaken both agriculture and industry and is now contributing to more than 50% of GDP. The service sector has the highest growth rate and is the least volatile sector. Growth is particularly marked in public services, IT and financial services.
In some areas. the growth rate of the service sector is 40-505 due to increased use of mobile technologies. India, therefore, has, a service-oriented economy. It hasn't traditional growth models as in China. However, in the process of doing so it has skipped the manufacturing and has jumped straight from the agriculture stage to service stage, which is also the main reason for the expansion of the service sector.
In fact, the situation now is such that the growth in the service sector can and will support in the agriculture and industrial sectors. However, the only setback for Indian economy is the lack of growth in the manufacturing sector which causes dependence on other countries, which is not so desirable in terms of job creation and increased prosperity. Population is also a major concern of the Indian economy as the population of India grows so also does the number of dependents in the population in both the lower and higher age groups. In such a scenario of increasing Population, especially in an economy which still recovering from crisis, growth becomes difficult. For such an economy to grow it has to invest.
Currently, the public sector invests more than it saves. The household sector saves in surplus, but it is not increasing so it cannot continue to support private and public sectors. There is a massive need to spend on agriculture and infrastructure development of the country. Apart from that health and education should also be the priority of the government particularly the education of women in order to reduce the birth rate.
(a) Viewpoint
(b) Prospect
(c) Attitude
(d) Agreement

(e) Proportion
Ans.(a)
Sol. The most similar in meaning to the word 'perspective' is 'viewpoint'

Q47. Which of the following is true as per the passage?
Read the following passage carefully and answer the given questions. Certain words are given in bold to help you locate them while answering some of the questions.
On attending a conference, which focused on the role of the services sector in Indian economy I was amazed. The conference gave a very interesting perspective on the role of the service sector in the growth of Indian economy in relation to growth rates in agriculture and industry.
The current situation in India is that the growth rate of services has overtaken both agriculture and industry and is now contributing to more than 50% of GDP. The service sector has the highest growth rate and is the least volatile sector. Growth is particularly marked in public services, IT and financial services.
In some areas. the growth rate of the service sector is 40-505 due to increased use of mobile technologies. India, therefore, has, a service-oriented economy. It hasn't traditional growth models as in China. However, in the process of doing so it has skipped the manufacturing and has jumped straight from the agriculture stage to service stage, which is also the main reason for the expansion of the service sector.
In fact, the situation now is such that the growth in the service sector can and will support in the agriculture and industrial sectors. However, the only setback for Indian economy is the lack of growth in the manufacturing sector which causes dependence on other countries, which is not so desirable in terms of job creation and increased prosperity. Population is also a major concern of the Indian economy as the population of India grows so also does the number of dependents in the population in both the lower and higher age groups. In such a scenario of increasing Population, especially in an economy which still recovering from crisis, growth becomes difficult. For such an economy to grow it has to invest.
Currently, the public sector invests more than it saves. The household sector saves in surplus, but it is not increasing so it cannot continue to support private and public sectors. There is a massive need to spend on agriculture and infrastructure development of the country. Apart from that health and education should also be the priority of the government particularly the education of women in order to reduce the birth rate.
(a) India has not followed the conventional model of growth and has moved directly from the agriculture sector to the service sector.
(b) The service sector of the country is yet to make a mark on the IT and financial sectors of the country
(c) With availability of labour and growth in human skills, the service sector of Indian economy is booming limitlessly as there is no restriction on movement of labour
(d) India has become self-reliant and does not have to depend on other countries because of the development in the manufacturing sector.
(e) All of the above
Ans.(d)
Sol. 'India has become self-reliant and does not have to depend on other countries because of the development in the manufacturing sector' is true statement as per passage.

Q48. Plunging international crude oil prices (1)/ and the subsequently lowered of fuel prices (2)/ come as a morale booster (3)/ for the auto industry. (4)/ No error (5).
Read each sentence and find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. If there is no error, the answer is No Error. (Ignore errors of punctuation, if any.)
(a) 1
(b) 2
(c) 3
(d) 4
(e) 5
Ans.(b)
Sol. Here, 'and the subsequent (adjective) lowering (gerund) of fuel prices' is the right usage. Here, Gerund has been used as Noun.

Q49. Handwriting is an art form (1)/ just like painting, drawing and (2)/ sketching, this art (3)/ can develop by individuals with some efforts. (4)/ No error (S).
Read each sentence and find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. If there is no error, the answer is No Error. (Ignore errors of punctuation, if any.)

(a) 1
(b) 2
(c) 3
(d) 4
(e) 5
Ans.(d)
Sol. Here, passive voice i.e., 'can be developed by individuals' is the right usage. Here, subject is passive.

Q50. The decision (1)/ to buy out the plant (2)/ was base at (3)/ the cost benefit analysis. (4) No error (5).
Read each sentence and find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. If there is no error, the answer is No Error. (Ignore errors of punctuation, if any.)
(a) 1
(b) 2
(c) 3
(d) 4
(e) 5
Ans.(c)
Sol. In passive voice, past participle form of verb is used. Hence, 'was based on' is the right usage.

Q51. What is the full form of URL?
(a) Uniform Resource Locator
(b) Uniform Resource Link
(c) Uniform Registered Link
(d) Unified Resource Link
(e) None of the above
Ans.(a)
Sol. URL stands for Uniform Resource Locator. It is a reference or address used to access resources on the internet, such as web pages or files. URLs provide a standardized way to locate and access online content.

Q52. How many holes are there in a VGA connector?
(a) 18
(b) 17
(c) 15
(d) 12
(e) None of the above
Ans.(c)
Sol. A VGA (Video Graphics Array) connector typically has 15 pins arranged in three rows.

Q53. _____ is found just above the 'file tab' option in MS Word. Its purpose is to provide a convenient access to most commonly used commands.
(a) Title Bar
(b) Indexes
(c) Fast Highlighting
(d) Quick Access
(e) None of the above
Ans.(d)
Sol. Quick Access Toolbar is found above the 'file tab' in MS Word. It offers easy access to frequently used commands, enhancing user efficiency.

Q54. Which of the following operation is simply deleting the files except deleting the attributes?
(a) Close
(b) Truncate
(c) Seek
(d) Append

(e) None of the above
Ans.(b)
Sol. The operation of truncating a file involves deleting the file's content while keeping its attributes intact, such as its size, permissions, and metadata.

Q55. In MS Excel 2013, What is the key combination for going to the last box of the current row?
(a) Alt + Enter
(b) Shift + Tab
(c) Shift + End
(d) Ctrl + Tab
(e) Ctrl + End
Ans.(e)
Sol. In MS Excel 2013, pressing Ctrl + End takes you to the last cell on a worksheet, specifically the lowest used row of the rightmost used column.

Q56. What is the name of the device that acts as the central point among computers and other devices that are a part of the computer network?
(a) Distributor
(b) Router
(c) USB
(d) Network Card
(e) None of the above
Ans.(b)
Sol. A router serves as the central point in a computer network, directing data traffic between devices, managing IP addresses, and ensuring efficient data transmission.

Q57. Starting a computer or a computer embedded device is called_____.
(a) Signing
(b) Logging
(c) Spoofing
(d) Booting
(e) None of the above
Ans.(d)
Sol. Starting a computer or computer embedded device is referred to as Booting. It involves initializing hardware components and loading the operating system into memory for user interaction.

Q58. What was the language used in Second Generation Computers?
(a) Assembly Language
(b) Basic Language
(c) Machine Language
(d) Pascal
(e) None of the above
Ans.(a)
Sol. Second-generation computers primarily used Assembly Language, a low-level programming language, for communication between hardware and software, making them more versatile than their predecessors.

Q59. In MS Word, Header and Footer options are under which tab?
(a) File
(b) Review
(c) Home
(d) Insert
(e) None of the above
Ans.(d)

Sol. In MS Word, you can find the Header and Footer options under the Insert tab. These options allow you to add headers and footers to your documents for consistent information.

Q60. Which register holds the 'address of instructions' in a basic computer?
(a) Accumulator
(b) Program Counter
(c) Instruction Register
(d) Address Register
(e) None of the above
Ans.(b)
Sol. The Program Counter (PC) holds the memory address of the next instruction to be fetched and executed in a basic computer's CPU.

Q61. In OS Process Management, the difference between arrival time and time at which process gets the CPU is called _____time.
(a) Turn Around
(b) Response
(c) Event
(d) Burst
(e) None of the above
Ans.(b)
Sol. In OS Process Management, the time difference between a process's arrival and the time it gets the CPU is called Response time. It measures the system's responsiveness to user interactions.

Q62. Which of the following MS Excel function calculates the number of days between two dates?
(a) GAP
(b) DATES
(c) DAYS
(d) DAYS 300
(e) SPAN
Ans.(c)
Sol. The DAYS function in MS Excel calculates the number of days between two dates. Syntax: =DAYS(end_date, start_date).

Q63. Create, insert and write, preview results and finish are commands found in which tab of MS Word 2013?
(a) Home Tab
(b) Reference Tab
(c) Mailing Tab
(d) Page Layout Tab
(e) All of the above
Ans.(c)
Sol. In MS Word 2013, the commands "Create," "Insert and Write," "Preview Results," and "Finish" are found in the Mailing tab. This tab is used for creating and managing mail merge documents.

Q64. A stack-based CPU Organization use _____ address instructions.
(a) 2
(b) 3
(c) 0
(d) 1
(e) None of the above
Ans.(c)
Sol. A stack-based CPU organization uses zero-address instructions, which work on data implicitly located at the top of the stack, without specifying explicit addresses or operands.

Q65. In MS-Excel 2013, _____ method can make macros run automatically, once you have done some set-up for scheduling a macro?
(a) Application Now
(b) Application Offline
(c) Uptime
(d) Ontime
(e) None of the above
Ans.(d)
Sol. In MS Excel 2013, the OnTime method allows macros to run automatically after configuring scheduling settings, enabling tasks to be executed at specific times without manual intervention.

Q66. _____ type of Column chart in MS Excel 2013 is like a stacked column. It uses a single bar for each category and subdivides that bar to show the proportion from each series.
(a) 3 – D Column
(b) 100% stacked Column
(c) Clustered Column
(d) Histogram
(e) None of the above
Ans.(b)
Sol. In MS Excel 2013, the 100% stacked Column chart type displays a single bar for each category, subdivided to show proportions from different series, making data comparison easier.

Q67. Which of the following contains the code, by execution of it the CPU access the very first proportion of hard disk when we turn on the computer?
(a) DOS
(b) ROM
(c) DDS
(d) BIOS
(e) None of the above
Ans.(d)
Sol. The BIOS (Basic Input/Output System) contains code that the CPU executes during startup, initializing hardware and enabling the computer to access the hard disk and load the operating system.

Q68. What is the storage capacity of a Dual Layered Blue Ray Disc?
(a) 25 GB
(b) 60 GB
(c) 50 GB
(d) 12 GB
(e) None of the above
Ans.(c)
Sol. A Dual Layered Blu-ray Disc typically has a storage capacity of 50 GB, allowing it to store high-definition video and large data files.

Q69. What is the length of IPV4 address?
(a) 32-bit
(b) 20-bit
(c) 40-bit
(d) 15-bit
(e) None of the above
Ans.(a)
Sol. An IPv4 address is 32 bits long and is represented as four decimal numbers separated by periods, each ranging from 0 to 255.

Q70. What are the options available in share ribbon of file explorer in Windows 10?

(a) Sorting and arranging contents of the folder
(b) Adding additional panels to show a preview of details of the files
(c) Verifying / modifying properties of a document
(d) Print and Fax
(e) Renaming a file or folder
Ans.(a)
Sol. In Windows 10 File Explorer's Share ribbon, options include sorting and arranging folder contents, allowing customization of how files and folders are displayed for better organization and access.

Q71. What is the difference between the number of boys from school A in 2020 and 2021 together and the number of girls from school C in both the years together?
Read the following table carefully and answer the questions given below.
The table shows the total number of students and the percentage of girls from four different schools in two different years.
Note: Total students = Total girls + Total boys

School	2020		2021	
	Total students	% of girls	Total students	% of girls
A	2100	40%	1800	45%
B	2700	55%	2400	35%
C	1000	70%	1500	40%
D	1400	25%	2200	60%

(a) 920
(b) 950
(c) 980
(d) 960
(e) 940
Ans.(b)
Sol.

School	2020			2021		
	Total students	Number of girls	Number of boys	Total students	Number of girls	Number of boys
A	2100	$\frac{40}{100} \times 2100 = 840$	$\frac{60}{100} \times 2100 = 1260$	1800	$\frac{45}{100} \times 1800 = 810$	$\frac{55}{100} \times 1800 = 990$
B	2700	$\frac{55}{100} \times 2700 = 1485$	$\frac{45}{100} \times 2700 = 1215$	2400	$\frac{35}{100} \times 2400 = 840$	$\frac{65}{100} \times 2400 = 1560$
C	1000	$\frac{70}{100} \times 1000 = 700$	$\frac{30}{100} \times 1000 = 300$	1500	$\frac{40}{100} \times 1500 = 600$	$\frac{60}{100} \times 1500 = 900$
D	1400	$\frac{25}{100} \times 1400 = 350$	$\frac{75}{100} \times 1400 = 1050$	2200	$\frac{60}{100} \times 2200 = 1320$	$\frac{40}{100} \times 2200 = 880$

Required difference = 1260 + 990 – (700+600) = 2250 – 1300 = 950

Q72. The number of girls from school E in 2020 is 550 which is 44% of the total number of students from school E in 2020. The total number of students from school E in the year 2021 is 2400 and the ratio of the number of boys to girls from school

E in the year 2021 is 5:3. What is the ratio of the number of boys in school C in both years to the number of boys in school E in both years together?

Read the following table carefully and answer the questions given below.

The table shows the total number of students and the percentage of girls from four different schools in two different years.

Note: Total students = Total girls + Total boys

School	2020		2021	
	Total students	% of girls	Total students	% of girls
A	2100	40%	1800	45%
B	2700	55%	2400	35%
C	1000	70%	1500	40%
D	1400	25%	2200	60%

(a) 6:13
(b) 10:11
(c) 39:44
(d) 19:24
(e) None of these

Ans.(e)

Sol.

School	2020			2021		
	Total students	Number of girls	Number of boys	Total students	Number of girls	Number of boys
A	2100	$\frac{40}{100} \times 2100 = 840$	$\frac{60}{100} \times 2100 = 1260$	1800	$\frac{45}{100} \times 1800 = 810$	$\frac{55}{100} \times 1800 = 990$
B	2700	$\frac{55}{100} \times 2700 = 1485$	$\frac{45}{100} \times 2700 = 1215$	2400	$\frac{35}{100} \times 2400 = 840$	$\frac{65}{100} \times 2400 = 1560$
C	1000	$\frac{70}{100} \times 1000 = 700$	$\frac{30}{100} \times 1000 = 300$	1500	$\frac{40}{100} \times 1500 = 600$	$\frac{60}{100} \times 1500 = 900$
D	1400	$\frac{25}{100} \times 1400 = 350$	$\frac{75}{100} \times 1400 = 1050$	2200	$\frac{60}{100} \times 2200 = 1320$	$\frac{40}{100} \times 2200 = 880$

Number of students in school E in 2020 = $\frac{100}{44} \times 550 = 1250$

Number of boys in school E in 2020 = 1250 − 550 = 700

Number of students in school E 2021 = 2400

Number of boys in school E in 2021 = $\frac{5}{8} \times 2400 = 1500$

Required ratio = $\frac{300+900}{700+1500} = \frac{1200}{2200} = 6:11$

Q73. 30% of the girls from school D in 2020 liked Physics. If the total number of students who like physics from school D in 2020 is 260, then find the number of boys who do not like Physics from school D in 2020.

Read the following table carefully and answer the questions given below.

The table shows the total number of students and the percentage of girls from four different schools in two different years.

Note: Total students = Total girls + Total boys

School	2020		2021	
	Total students	% of girls	Total students	% of girls
A	2100	40%	1800	45%
B	2700	55%	2400	35%
C	1000	70%	1500	40%
D	1400	25%	2200	60%

(a) 895
(b) 880
(c) 890
(d) 875
(e) 885
Ans.(a)
Sol.

School	2020			2021		
	Total students	Number of girls	Number of boys	Total students	Number of girls	Number of boys
A	2100	$\frac{40}{100} \times 2100 = 840$	$\frac{60}{100} \times 2100 = 1260$	1800	$\frac{45}{100} \times 1800 = 810$	$\frac{55}{100} \times 1800 = 990$
B	2700	$\frac{55}{100} \times 2700 = 1485$	$\frac{45}{100} \times 2700 = 1215$	2400	$\frac{35}{100} \times 2400 = 840$	$\frac{65}{100} \times 2400 = 1560$
C	1000	$\frac{70}{100} \times 1000 = 700$	$\frac{30}{100} \times 1000 = 300$	1500	$\frac{40}{100} \times 1500 = 600$	$\frac{60}{100} \times 1500 = 900$
D	1400	$\frac{25}{100} \times 1400 = 350$	$\frac{75}{100} \times 1400 = 1050$	2200	$\frac{60}{100} \times 2200 = 1320$	$\frac{40}{100} \times 2200 = 880$

Number of girls who like Physics = $\frac{30}{100} \times 350 = 105$
Number of boys who like Physics = 260 − 105 = 155
Number of boys who don't like Physics = 1050 − 155 = 895

Q74. Find the average number of girls from schools A and B in both the years together.
Read the following table carefully and answer the questions given below.
The table shows the total number of students and the percentage of girls from four different schools in two different years.
Note: Total students = Total girls + Total boys

School	2020		2021	
	Total students	% of girls	Total students	% of girls
A	2100	40%	1800	45%
B	2700	55%	2400	35%
C	1000	70%	1500	40%
D	1400	25%	2200	60%

(a) 1985.5
(b) 1987.5

(c) 1989.5
(d) 1991.5
(e) None of these
Ans.(b)
Sol.

School	2020			2021		
	Total students	Number of girls	Number of boys	Total students	Number of girls	Number of boys
A	2100	$\frac{40}{100} \times 2100 = 840$	$\frac{60}{100} \times 2100 = 1260$	1800	$\frac{45}{100} \times 1800 = 810$	$\frac{55}{100} \times 1800 = 990$
B	2700	$\frac{55}{100} \times 2700 = 1485$	$\frac{45}{100} \times 2700 = 1215$	2400	$\frac{35}{100} \times 2400 = 840$	$\frac{65}{100} \times 2400 = 1560$
C	1000	$\frac{70}{100} \times 1000 = 700$	$\frac{30}{100} \times 1000 = 300$	1500	$\frac{40}{100} \times 1500 = 600$	$\frac{60}{100} \times 1500 = 900$
D	1400	$\frac{25}{100} \times 1400 = 350$	$\frac{75}{100} \times 1400 = 1050$	2200	$\frac{60}{100} \times 2200 = 1320$	$\frac{40}{100} \times 2200 = 880$

Required average $= \frac{840+810+1485+840}{2} = 1987.5$

Q75. The number of boys from school C in both years is approximately what percentage of the number of boys from school B in both years together?
Read the following table carefully and answer the questions given below.
The table shows the total number of students and the percentage of girls from four different schools in two different years.
Note: Total students = Total girls + Total boys

School	2020		2021	
	Total students	% of girls	Total students	% of girls
A	2100	40%	1800	45%
B	2700	55%	2400	35%
C	1000	70%	1500	40%
D	1400	25%	2200	60%

(a) 37%
(b) 39%
(c) 41%
(d) 43%
(e) 45%
Ans.(d)
Sol.

School	2020			2021		
	Total students	Number of girls	Number of boys	Total students	Number of girls	Number of boys
A	2100	$\frac{40}{100} \times 2100 = 840$	$\frac{60}{100} \times 2100 = 1260$	1800	$\frac{45}{100} \times 1800 = 810$	$\frac{55}{100} \times 1800 = 990$
B	2700	$\frac{55}{100} \times 2700 = 1485$	$\frac{45}{100} \times 2700 = 1215$	2400	$\frac{35}{100} \times 2400 = 840$	$\frac{65}{100} \times 2400 = 1560$
C	1000	$\frac{70}{100} \times 1000 = 700$	$\frac{30}{100} \times 1000 = 300$	1500	$\frac{40}{100} \times 1500 = 600$	$\frac{60}{100} \times 1500 = 900$
D	1400	$\frac{25}{100} \times 1400 = 350$	$\frac{75}{100} \times 1400 = 1050$	2200	$\frac{60}{100} \times 2200 = 1320$	$\frac{40}{100} \times 2200 = 880$

Required percentage $= \frac{300+900}{1215+1560} \times 100 = 43.24\% \approx 43\%$

Q76. Pipes A and B together can fill a tank in 6 hours and pipe C alone fills the tank in 15 hours. If pipe A, B and C together can open simultaneously and after 3 hours pipe C is closed, in how many hours A and B together can fill the remaining tank?

(a) $\frac{7}{4}$ hours

(b) $\frac{5}{3}$ hours

(c) $\frac{9}{5}$ hours

(d) $\frac{8}{5}$ hours

(e) $\frac{3}{2}$ hours

Ans.(c)

Sol.

Let the capacity of the tank be 30 Liters (LCM of 6 & 15)

Efficiency of pipes A and B together $= \frac{30}{6} = 5$ litres/hour

Efficiency of pipe C $= \frac{30}{15} = 2$ litres/hour

Tank filled in 4 hours $= 7 \times 3 = 21$ *litres*

Remaining capacity of the tank = 30-21 = 9 litres

Required time $= \frac{9}{5}$ *hours*

Q77. A, B, C, D and E are five friends who went to a picnic. Their present average age is 43 years. The ratio between the present age of D and E is 4:5. The ratio between present ages of A and B is 4:5. Four years from now the ratio between age of A and six years from now the age of C will be 4:5. Four years from now the age of A will be ten years less than the present age of E. Find the average of ages (in years) of D and E?

(a) 45

(b) 36

(c) 54

(d) 60
(e) 30
Ans.(a)
Sol.

Let the present age (in years) of D and E be 4x and 5x respectively.

Let the present age (in years) of A and B be 4y and 5y respectively.

Let the present age (in years) of C be z.

$\frac{4y+4}{z+6}=\frac{4}{5}$

$20y+20=4z+24$

$\frac{20y-4}{4}=z$

$5y-1=z$

And

$5x-(4y+4)=10$

$5x-4y=14\ldots.(i)$

Given, $4y+5y+z+4x+5x=43\times5$

$9y+(5y-1)+9x=215$

$14y+9x=216\ldots(ii)$

From (i) & (ii)

$x=10, y=9$

Required average $=\frac{9x}{2}=\frac{90}{2}=45\ years$

Q78. x, y and z are integers such that x>y>z and x+y+z = k. What is the smallest value of k such that the values of x, y and z can't be determined uniquely?
(a) 10
(b) 8
(c) 9
(d) 7
(e) 6
Ans.(b)
Sol.

The smallest number among the option is 6

6 can be expressed as 3+2+1

The second smallest number in the options is 7. So, let's work with seven.

7 can be expressed as 4+2+1

try any other combination, it won't be unique

let's try 8

8=5+2+1

8=4+3+1

so, we have more than 1 combination for 8

so, the solution cannot be determined uniquely for the given condition.

Q79. $\mathbf{36.05\%\ of\ 2500.01 + ? - 59.98\%\ of\ 550.021 = 89.91 \times \sqrt{50}}$

What approximate value should come in place of (?) in the following questions.
(a) 40
(b) 60
(c) 80
(d) 20
(e) 50
Ans.(b)
Sol.

$\frac{36}{100} \times 2500 + ? - \frac{60}{100} \times 550 = 90 \times 7$

$900 + ? - 330 = 630$

$? = 630 + 330 - 900$

$? = 960 - 900$

$?= 60$

$((729.04)^2 \times (27.11)^3 \times 3^5 \times (9.04)^4) \div (243.18)^2 = (80.98)^?$

Q80.
What approximate value should come in place of (?) in the following questions.
(a) 6
(b) 4
(c) 2
(d) 10
(e) 8
Ans.(a)
Sol.

$((729)^2 \times (27)^3 \times 3^5 \times (9)^4) \div (243)^2 = (81)^?$

$((3^6)^2 \times (3^3)^3 \times 3^5 \times (3^2)^4) \div (3^5)^2 = (3^4)^?$

$((3)^{12} \times (3)^9 \times 3^5 \times (3)^8) \div (3)^{10} = (3^4)^?$

comparing powers

$12 + 9 + 5 + 8 - 10 = 4 \times ?$

$24 = 4 \times ?$

$? = 6$

Q81. $21.05 \times 2.99 + 60.06\% \text{ of } 130.198 + 48.13 \div 1.91 = ? - \sqrt{5184.02}$
What approximate value should come in place of (?) in the following questions.
(a) 437
(b) 337
(c) 237
(d) 137
(e) 37
Ans.(c)
Sol.

$21 \times 3 + 60\% \text{ of } 130 + 48 \times \frac{1}{2} = ? - 72$

$63 + 78 + 24 = ? - 72$

$? = 237$

Q82. 343, 279, 247, 231, 223, 208, 217
Find the wrong number in the following number series.
(a) 231

(b) 279
(c) 208
(d) 223
(e) 247
Ans.(c)
Sol.
The wrong number is 208
Pattern of the series:

343,	279,	247,	231,	223,	**219**	217
	−64	− 32	−16	−8	−4	−2

Q83. 34, 30, 41, 32, 96, 71, 287
Find the wrong number in the following number series.
(a) 34
(b) 30
(c) 41
(d) 71
(e) 287
Ans.(b)
Sol.
The wrong number is 30
Pattern of the series:
$34 - 1^2 = \mathbf{33}$
$33 + 2^3 = 41$
$41 - 3^2 = 32$
$32 + 4^3 = 96$
$96 - 5^2 = 71$
$71 + 6^3 = 287$

Q84. 298, 294, 433, 850, 2080, 6215, 21624.5
Find the wrong number in the following number series.
(a) 6215
(b) 2080
(c) 850
(d) 433
(e) 298
Ans.(b)
Sol.
The wrong number is 2080
Pattern of the series

298,	294,	433,	850,	**2093**,	6215	21624.5
	×1 - 4	×1.5 – 8	×2 – 16	×2.5 – 32	×3 – 64	×3.5 -128

Q85. Total time taken by a boat to covers 24 km upstream and 20 km downstream in 7.25 hours. The ratio between the speed of boat in still water to the speed of the stream is 5:3. If the speed of the boat in still water is increased by 10%, then find the time (in hours) taken by boat to cover a distance of 38 km in upstream.
(a) 5.6
(b) 5.2
(c) 7.4
(d) 7.6

(e) 6.2
Ans.(d)
Sol.

Let the speed of boat in still water be 5x km/hr and speed of the stream be 3x km/hr.

ATQ,

$$\frac{24}{5x-3x}+\frac{20}{5x+3x}=7.25$$

$$\frac{24}{2x}+\frac{20}{8x}=\frac{29}{4}$$

$$\frac{96+20}{8x}=\frac{29}{4}$$

$$\frac{116}{8x}=\frac{29}{4}$$

x = 2

New speed of boat in still water = $5x \times \frac{110}{100} = 10 \times \frac{110}{100}$

= 11 kmph

Required time = $\frac{38}{11-6} = \frac{38}{5}$ = 7.6 hours

Q86. Area of a square is 576 cm^2. A rectangle has length 37.5% more than the side of the square and breadth is 25% less than the side of the square. Find the area of rectangle is how much percent more or less than the area of square (approx.)?
(a) 13%
(b) 8%
(c) 5%
(d) 3%
(e) 17%
Ans.(d)
Sol.

Let side of the square be 'a' cm

Area of the square = 576 cm^2

ATQ,

$a^2 = 576$

$a = 24$

Length of the rectangle = $\frac{11}{8} \times 24 = 33\ cm$

Breadth of the rectangle = $\frac{3}{4} \times 24 = 18\ cm$

Area of the rectangle = 33 × 18 = 594 cm^2

Required percentage = $\frac{(594-576)}{576} \times 100 = 3.125\% \approx 3\%$

Q87. The simple interest on Rs. P at 15% p.a. for two years is Rs.300 more than the simple interest on Rs. (P+500) at 12% for two years. Find the simple interest on Rs. (2P+500) for two years at 12 p.a.
(a) Rs.1750
(b) Rs.2350
(c) Rs.3480
(d) Rs.4810
(e) None of these
Ans.(c)
Sol.

$$\frac{P \times 15 \times 2}{100} - \frac{(P+500) \times 12 \times 2}{100} = 300$$

$$\frac{30P}{100} - \frac{(24P+12000)}{100} = 300$$

$30P - 24P - 12000 = 30000$

$6P = 42000$

$P = 7000$

Required interest $= \frac{(2\times7000+500)\times12\times2}{100} = Rs.3480$

Q88. A vessel contains 180 litres of a mixture of milk and water in the ratio of 3:2. 50 litres of mixture are taken out and replaced with 18 litres of water. Then find the ratio between the milk and water in the new mixture?
(a) 21:13
(b) 33:29
(c) 14:9
(d) 39:35
(e) 37:31
Ans.(d)
Sol.

$$\frac{\left[\left(180 \times \frac{3}{5}\right) - 50 \times \frac{3}{5}\right]}{\left[\left(180 \times \frac{2}{5}\right) - 50 \times \frac{2}{5} + 18\right.} = \frac{78}{70} = 78:70$$

$= 39:35$

Q89. The sum of five consecutive even numbers is equal to 230. What is the sum of the largest number among them and the square of the smallest number among them?
(a) 1684
(b) 1464
(c) 1984
(d) 1844
(e) 1784
Ans.(c)
Sol.
Let the numbers be x, x+1, x+2, x+3 and x+4
ATQ,
x+ x+1+ x+2+ x+3+ x+4 = 230
5x + 10 = 230
5x = 230-10
5x = 220
x = 44
Required value = x + 4 + $(x)^2$ = 48 + $(44)^2$ = 1984

Q90. A alone can complete a work in x days, and B alone can complete the same work in (x-2) days, and the efficiency of B is 25% less than that of C. If C alone can complete the work in 12 days, then find out in how many days A, B, and C together can complete 87% of the work.
(a) 4.32 days
(b) 4.45 days
(c) 4.98 days
(d) 5.12 days

(e) 5.24 days
Ans.(a)
Sol.

The ratio of efficiency of B to C = 3:4

The ratio of time taken by B to C to complete the work = 4:3

Time taken by B to complete the work = $12 \times \frac{4}{3} = 16$ days

x-2 = 16

x = 18

Time taken by A to complete the work = 18 days

Total work = 144 units (LCM of 16, 18, 12)

Efficiency of A = $\frac{144}{18} = 8\ units/day$

Efficiency of B = $\frac{144}{16} = 9\ units/day$

Efficiency of C = $\frac{144}{12} = 12\ units/day$

Required time = $\frac{144 \times 0.87}{8+9+12} = 4.32$ days

Q91. Prospect theory of decision-making is given by --------.
(a) Daniel Kahneman
(b) Henry Mintzberg
(c) Herbert Simon
(d) Edward Deming
(e) Albert Bandura
Ans.(a)
Sol. Daniel Kahneman

Q92. Which of the following is not a 'Quantitative Technique' of decision-making?
(a) Decision Matrix
(b) Cost Benefit Analysis
(c) Multi-Voting
(d) Break-even Analysis
(e) Operations research
Ans.(c)
Sol. Multi-Voting

Q93. Bounded rationality is a concept that challenges the notion of human rationality.
It is proposed by ---
(a) Aron Katsenelinboigen
(b) Herbert Simon
(c) Edward Deming
(d) Albert Bandura
(e) None of these
Ans.(b)
Sol. Herbert Simon

Q94. If someone takes a decision based on his previous experience, what process of decision-making is involved in this?
(a) Bias
(b) Evidence
(c) Intuitive

(d) Uncertainty
(e) Rationality
Ans.(a)
Sol. Bias

Q95. If a company 'XYZ' wants to expand its business in a different sector, what type of decision making is included here?
(a) Major Decision
(b) Personal Decision
(c) Minor Decision
(d) Routine Decision
(e) Individual Decision
Ans.(a)
Sol. Major Decision

Q96. The decision to select 19 Hockey players of team India playing in Olympic by Indian Hockey Federation is which type of decision?
(a) Individual
(b) Personal
(c) Group
(d) Minor
(e) Influenced
Ans.(c)
Sol. Group

Q97. Strategic decisions are taken by which level of management?
(a) Low Level of management
(b) Middle level of management
(c) High level of management
(d) Supervisory management
(e) Floor Management
Ans.(c)
Sol. High level of management

Q98. Which decision-making theory was put forward, based on how the game of chess is played, and an individual's relationship with uncertainty?
(a) Rational
(b) Predispositioning
(c) Prospect
(d) Bounded rationality
(e) None of these
Ans.(b)
Sol. Predispositioning

Q99. Which of the following would be a decision which is for difficult situations in an organization for which there is no easy solution?
(a) Non-programmed decisions
(b) Programmed decisions
(c) Individual decisions
(d) Personal Decision
(e) Minor Decision
Ans.(a)
Sol. Non-programmed decisions

Q100. In which method two group of experts are created, one favouring a "yes" decision and other favouring a "no" decision?
(a) Delphi Technique
(b) Multi-Voting
(c) Decision Tree
(d) Decision support system
(e) Didactic Interaction
Ans.(e)
Sol. Didactic Interaction

Q101. Ain Dubai, which is also called Dubai's Eye, is the world's largest and tallest observation wheel recently opened in August 2021. What is the height of Ain Dubai?
(a) 425 m
(b) 500 m
(c) 350 m
(d) 250 m
(e) 150 m
Ans.(d)
N/A

Q102. Who among the following is an Indian ornithologist and naturalist of international recognition?
(a) Baiju Dharmajan
(b) Aravind Adiga
(c) Salim Ali
(d) Kavita Krishnan
(e) Kedarnath Singh
Ans.(c)
N/A

Q103. Who among the following has authored the book "White Mughals"?
(a) Mary Jordan
(b) William Dalrymple
(c) Sudha Murthy
(d) Ranjan Gogoi
(e) Hussain Zaidi
Ans.(b)
N/A

Q104. Shubhanker Banerjee who recently passed away in August 2021, was a _____. maestro.
(a) Tabla
(b) Sitar
(c) Flute
(d) Santoor
(e) Shehnai
Ans.(b)
N/A

Q105. What was the name of the Space shuttle carrying Kalpana Chawla which exploded in February 2003 with its crew on-board?
(a) Challenger
(b) Discovery
(c) Columbia
(d) Atlantis
(e) Roscos
Ans.(c)

N/A

Q106. To foster awareness among the International Community of the importance of tourism, United Nations World Tourism Organization (UNWTO) marks World Tourism Day every year on which day?
(a) 27 July
(b) 27 August
(c) 27 October
(d) 27 September
(e) 27 November
Ans.(d)
N/A

Q107. Which of the following grasslands are in North America?
(a) Tropical
(b) Prairie
(c) Savannas
(d) Shrublands
(e) Steppe
Ans.(b)
N/A

Q108. Which one of the following is the national tree of India?
(a) Neem Tree
(b) Mahagony Tree
(c) Sal Tree
(d) Fig tree of India (also known as Banyan Tree)
(e) Teak Tree
Ans.(d)
N/A

Q109. The leading digital payments gateway PayU has acquired one of India's oldest payment gateways BillDesk for _____?
(a) $2.7 billion
(b) $4.7 billion
(c) $6.7 billion
(d) $7.7 billion
(e) $5.7 billion
Ans.(b)
N/A

Q110. The government of India has launched One District One Product (ODOP) to select, brand and promote at least one product from one district. Which papier mache has been selected for export promotion and improvement of market accessibility under the first phase of the ODOP scheme?
(a) Jamnagri
(b) Kolhapuri
(c) Naga
(d) Kashmiri
(e) None of the above
Ans.(d)
N/A

Q111. Recently (August 2021), the Reserve Bank of India has fined 1 prepaid payment instrument (PPI), and ____ White Label ATMs (WI-A) for deficiencies in regulatory compliance.
(a) Four

(b) Five
(c) Three
(d) Seven
(e) Two
Ans.(a)
N/A

Q112. Recently SUJALAM campaign has been started under the 'Azadi ka Amrit Mahotsav' initiative. It has been launched by which of the following ministries?
(a) Ministry of Women and Child Development
(b) Ministry of Rural Development
(c) Ministry of Jal Shakti
(d) Ministry of Panchayati Raj
(e) Ministry of New and Renewable Energy
Ans.(c)
N/A

Q113. In a bid to facilitate the seamless transfer of personal vehicles across states, the government of India has notified a new mark in August 2021, for new vehicles Bharat series (BH-series). It will be implemented by _____?
(a) 15th September 2021
(b) 15th October 2021
(c) 1st November 2021
(d) 1st December 2021
(e) 15th January 2022
Ans.(a)
N/A

Q114. As per the Census 2011, what is the literacy rate of males in the country?
(a) 82.1%
(b) 78.9%
(c) 80.1%
(d) 76.3%
(e) 84.1%
Ans.(a)
N/A

Q115. The book "Mission Domination: An Unfinished Quest" written by authors Kushan Sarkar and Boria Majumdar is based on which of the following?
(a) Volleyball
(b) Hockey
(c) Basketball
(d) Football
(e) Cricket
Ans.(e)
N/A

Q116. The Indo-Nepal Remittance Facility (INRF, Scheme) is a cross-border remittance scheme to transfer funds from India to Nepal (one-way only). RBI leverages the _____ ecosystem available in the country for the origination of such remittances.
(a) RTGS (Real Time Gross Settlement)
(b) NEFT (National Electronic Funds Transfer)
(c) UPI (Unified Payments Interface)
(d) Internet Banking
(e) None of the above

Ans.(b)
N/A

Q117. Ravi Kumar Dahiya recently won a medal at Tokyo Olympics 2020, with this feat he has become _____ Indian wrestler to win an Olympic medal.
(a) Third
(b) Fourth
(c) Fifth
(d) Sixth
(e) Seventh
Ans.(d)
N/A

Q118. 'Stand Up India Scheme' has been recently extended by the Government of India till the year _____?
(a) 2026
(b) 2025
(c) 2024
(d) 2023
(e) 2022
Ans.(b)
N/A

Q119. 21.6m tallest sandcastle which has been added to the Guinness Book of World Records is located in Blokhus, _____.
(a) Denmark
(b) Turkey
(c) Sweden
(d) Germany
(e) Norway
Ans.(a)
N/A

Q120. Kyoto Protocol and Paris Agreement are related to which of the following?
(a) Climate change
(b) Increasing debt in countries
(c) Tax laws
(d) Economic cooperation among countries
(e) Peace agreements among countries
Ans.(a)
N/A

Q121. Samagra Shiksha is an ambitious programme for the school education till class 12. It was launched in which year?
(a) 2005
(b) 2008
(c) 2010
(d) 2014
(e) 2018
Ans.(e)
Sol. 2018

Q122. Pradhan Mantri Garib Kalyan Yojna launched Insurance Scheme for Health Workers Fighting COVID-19' was launched to provide comprehensive personal accident coverof what amount to all healthcare providers drafted by the government for the care of Covid-19 patients?
(a) 10 Lac

(b) 20 Lac
(c) 25 Lac
(d) 50 lac
(e) 55 LAc
Ans.(d)
Sol. 50 lac

Q123. The Kisan Credit Card scheme is a Government of India scheme which provides farmers with timely access to credit. It was launched in 1998 with the aim to provide short-term formal credit to farmers. The farmer can apply for a loan under this scheme for which of the following purpose ?
(a) Post Harvest expenses
(b) Produce marketing loan;
(c) Household consumption requirement
(d) For maintenance of farm asset
(e) All of the above
Ans.(e)
Sol. All of the above

Q124. Which of the following financial institution satisfies the following condition?
(1) provide financial services to the unserved and unbanked rural area
(2) Min net capital should be raised to 200 Cr within 5 years
(3) At least 50% of its loan portfolio should constitute loans and advances of up to Rs. 25 lakh.
(a) Regional Rural Banks
(b) Small Finance Banks
(c) Payment Banks
(d) Cooperative Banks
(e) Foreign Banks
Ans.(b)
Sol. Small Finance Banks

Q125. With a view to ensure continued availability of credit to agriculture, MSME and housing sectors and to facilitate faster economic recovery, the RBI has extended the priority sector lending (PSL) norms for lending to which of the following sector?
(a) Corporate Houses
(b) Payment Banks
(c) Farmer Producer Organisation
(d) Cooperative Bodies
(e) Retailers and Wholesalers
Ans.(e)
Sol. Retailers and Wholesalers

Q126. Which of the following signifies the prime aim of the Beti Bachao Beti Padhao Scheme?
(a) To reduce gender disparity
(b) To improve female wages
(c) To train females as a teachers
(d) To improve sex ratio
(e) To reduce patriarchy
Ans.(d)
Sol. To improve sex ratio

Q127. Financial Stability Report which contains an assessment of financial sectors in India and also the collective effort of various regulators through FSDC council. Who publishes this report?
(a) NSO
(b) Finance Ministry
(c) RBI

(d) SBI
(e) IFSCA
Ans.(c)
Sol. RBI

Q128. Recently, Union Minister for Finance Smt. Nirmala Sitharaman unveiled EASE 4.0, the Public Sector Bank (PSB) Reforms Agenda 2020-21 for CLEAN and SMART banking, and the PSB EASE Reforms Annual Report 2019-20. EASE Reforms Index was launched for_____?
(a) To comply with BASEL Norms
(b) To improve financial inclusion
(c) To boost economic growth after pandemic
(d) To measure performance of commercial banks on 140 plus parameters
(e) All of the above
Ans.(d)
Sol. To measure performance of commercial banks on 140 plus parameters

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Q129. REITs and InvITs are innovative vehicles that allow developers to monetize revenue-generating real estate and infrastructure assets, while enabling investors or unit holders to invest in these projects without actually owning them. InvITs has been established as
(a) Pvt limited company
(b) Cooperatives
(c) NBFCs
(d) Trust
(e) Regulator
Ans.(d)
Sol. Trust

Q130. The United Nations Development Programme (UNDP) has launched 'Sahi Disha' campaign to celebrate_____?
(a) 75Th year Independence for India
(b) To guide youth in JnK
(c) Women livelihood opportunity and entrepreneurship in rural India
(d) Rural Prosperity
(e) Alleviation of rural Poverty
Ans.(c)
Sol. Women livelihood opportunity and entrepreneurship in rural India

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Q131. Ministry of Jal Shakti has prepared plan for transferring water from water surplus region to water deficit region. Identify the first interlinking project in India ?
(a) Krishna - Godavari
(b) Jhelum – Sutlaj
(c) Ken – Betwa
(d) Ganga – Yamuna
(e) Subarnarekha – Mahanadi
Ans.(c)
Sol. Ken – Betwa

Q132. Ministry of Education has launched a National Initiative "NIPUN Bharat". Identify the major aims and objective of this scheme.
(a) To create Skilled workforce in rural India
(b) To guide Rural youth for entrepreneurship
(c) to cover the learning needs of children in the age group of 3 to 9 years
(d) To create efficient administrators in India
(e) None of the above
Ans.(c)

Sol. to cover the learning needs of children in the age group of 3 to 9 years

Q133. To tackle menace in Microfinance sector after 2010 Andhra Crisis, identify the committee which has been set up by RBI?
(a) Narsimhan Committee
(b) Vimal Jalan Committee
(c) Malegham Committee
(d) D Subbarao Committee
(e) Sivaraman Committee
Ans.(c)
Sol. Malegham Committee

Q134. What is the objective of PM KUSUM scheme?
(a) To reduce carbon emission from power plants
(b) To achieve INDC target of 175 GW
(c) To supply clean and sustainable energy to farmers of India to augment their income
(d) To improve productivity through motorized mechnisation through solar energy
(e) All of the above
Ans.(c)
Sol. To supply clean and sustainable energy to farmers of India to augment their income

Q135. Identify the chairman of committee who recommended National Education policy 2020?
(a) TSR Subramaniam
(b) K Kasturirangan
(c) Uday Kotak
(d) Kailash Satyarthi
(e) M subramaniam
Ans.(b)
Sol. K Kasturirangan

Q136. Which of the following is not one of the feature of Agriculture Infrastructure development fund?
(a) Credit Guarantee for loans up to₹ 2 Crore.
(b) Cap on lending rate, so that benefit of interest subsidy reaches the beneficiary and services to farmers remain affordable.
(c) Max credit limit is 2cr per project
(d) Credit Guarantee fee should be paid by farmers
(e) All are correct
Ans.(d)
Sol. Credit Guarantee fee should be paid by farmers

Q137. New Educational Policy 2020, has set an aim to increase the Gross enrollment ratio in higher Education including vocational education from 26.3% to 50%. What is the target to achieve this?
(a) 2025
(b) 2030
(c) 2035
(d) 2040
(e) 2024
Ans.(c)
Sol. 2035

Q138. As per constitution, art 280 mandates for establishing Finance Commission every 5 year. Identify the date of commencement of 15th Finance Commission?
(a) 1 April 2020
(b) 1 April 2021

(c) 1 April 2019
(d) 1 April 2018
(e) None
Ans.(b)
Sol. 1 April 2021

Q139. The Union Budget 2021-22 with focus on Capital expenditure along with a Development Financial Institution is based on how many pillars?
(a) 5
(b) 6
(c) 7
(d) 8
(e) 9
Ans.(b)
Sol. 6

Q140. The XV Finance Commission has recommend in its recently submitted report that health spending by states should be increased to more than ___ per cent as per their budget of 2022.
(a) 3%
(b) 4%
(c) 5%
(d) 6%
(e) 8%
Ans.(e)
Sol. 8%

Q141. Identify the correct statement about ATAL Pension Yojna
(1) Applicable to all citizen of India aged between 18-40 years
(2) The subscriber gets fixed pension ranging between from 1000 to 5000 rupees.
(3) After death of subscriber, the spouse of the subscriber is not eligible for subscription.
(a) Only 1
(b) Only 2
(c) Only 1 & 2
(d) Only 2 & 3
(e) All are correct
Ans.(c)
Sol. Only 1 & 2

Q142. Analyse the following features and identify the scheme.
(1) To provide support to Women Self Help Groups
(2) To impart relevant skill to enable rural youth for livelihood creation
(3) To reduce poverty by enabling the poor households to access gainful self-employment
(a) PMGKY
(b) APY
(c) PMKMDY
(d) NRLM
(e) MGNREGA
Ans.(d)
Sol. NRLM

Q143. Identify the fiscal deficit as per Union Budget 2021-22?
(a) 9.2%
(b) 6.8%
(c) 6%

(d) 6.5%
(e) 7%
Ans.(b)
Sol. 6.8%

Q144. According to the Union Budget 2021-22, to promote digital economy, the gross turnover threshold for tax audit has been increased from Rs 5 crores to_____ crores.
(a) 10 Cr
(b) 25 Cr
(c) 50 Cr
(d) 75 Cr
(e) 100 Cr
Ans.(a)
Sol. 10 Cr

Q145. Identify the incorrect statement about the Pradhan Mantri Awaas Yojana – Urban?
(a) The mission will support construction of houses upto 30 square meter carpet area
(b) Mission will be available through 4 verticals
(c) It was launched in 2014
(d) Housing for all by 2022.
(e) All are correct
Ans.(c)
Sol. It was launched in 2014

Q146. According to the Prohibition of Child Marriage Act, 2006, Child age is defined as
(a) 15 years for girl, 18 years for Boys
(b) 14 years for girl, 18 years for Boys
(c) 15 years for girl, 21 years for Boys
(d) 15 years for girl, 19 years for Boys
(e) 18 years for girl, 21 years for Boys
Ans.(e)
Sol. 18 years for girl, 21 years for Boys

Q147. Identify the Incorrect statement about New Development Bank?
(a) It is established by the BRICS countries
(b) It is headquartered at Shanghai, China
(c) The initial authorized capital of the bank was $100 B
(d) It cannot lend to countries other than BRICS members
(e) K.V. Kamath was first president of the Bank
Ans.(d)
Sol. It cannot lend to countries other than BRICS members

Q148. Which of the following country is not a member of Shanghai Cooperation Organisation (SCO)?
(a) India
(b) Pakistan
(c) China
(d) Afganistan
(e) Tajikistan
Ans.(d)
Sol. Afganistan

Q149. Which of the following country is not a member of Association of South East Asian Nations (ASEAN)?
(a) Myanmar

(b) Vietnam
(c) India
(d) Thialand
(e) Combodia
Ans.(c)
Sol. India

Q150. As per Ministry of Labour and Employment, calories intake of how considered for calculating minimum wages per day is?
(a) 2200
(b) 2500
(c) 2600
(d) 2650
(e) 2700
Ans.(e)
Sol. 2700

Q151. Which of the following shows the difference between exports and imports of goods and services?
(a) National Trade Policy
(b) World Trade Report
(c) Balance of Payment
(d) Annual Budget
(e) Economic Survey
Ans.(c)
Sol. Balance of Payment

Q152. In India, the Managing Director and Chief Executive Officer of Public Sector Banks is recommended by which of the following?
(a) Finance Ministry
(b) IBPS
(c) Bank Board Bureau
(d) RBI
(e) FSDC
Ans.(c)
Sol. Bank Board Bureau

Q153. Which of the following is an indicator of retail inflation in India?
(a) CPI
(b) WPI
(c) IIP
(d) Real GDP
(e) Nominal GDP
Ans.(a)
Sol. CPI

Q154. Identify the correct statement regarding Public Accounts Committee.
(a) It has 22 members
(b) All members are appointed by Rajya Sabha
(c) the primary function of the PAC is to examine the audit report of Comptroller and Auditor General
(d) By following tradition, chairman of the committee is from the opposition party.
(e) Adhir Ranjan Chaudhary is the current chairperson.
Ans.(a)
Sol. It has 22 members

Q155. Which of the following statement is NOT correct regarding Food and Agriculture Organisation (FAO)?
(a) It is headquartered at Geneva, Switzerland
(b) Present Director General is Quo Dongyu
(c) It has 194 members
(d) It is a specialized agency of the United Nations
(e) None of the above
Ans.(a)
Sol. It is headquartered at Geneva, Switzerland

Q156. How many languages are there in 8th schedule of Indian constitution?
(a) 18
(b) 22
(c) 25
(d) 16
(e) 23
Ans.(b)
Sol. 22

Q157. Identify the National Panchayati Raj Day?
(a) 22 March
(b) 20th April
(c) 24th April
(d) 5th june
(e) 23 Dec
Ans.(c)
Sol. 24th April

Q158. Who of the following is associated with Beej Bachao Andolan initiated in 1986?
(a) Vijay Jardhari
(b) Pema Khandu
(c) Chandi Prasad Bhat
(d) Sunderlala Bahuguna
(e) None
Ans.(a)
Sol. Vijay Jardhari

Q159. Which of the following Article of the Indian Constitution prohibits employment of children in factories etc.?
(a) Art 20
(b) Art 21
(c) Art 22
(d) Art 23
(e) Art 24
Ans.(e)
Sol. Art 24

Q160. Identify the year in which Rural infrastructure development Fund has been constituted?
(a) 1991
(b) 1995
(c) 1999
(d) 2000
(e) 2005
Ans.(b)
Sol. 1995

Q161. What is the name of male goat that is capable of breeding?
(a) Drake
(b) Duck
(c) Buck
(d) Wether
(e) Ram
Ans.(c)
Sol. A sexually mature intact male goat used for breeding is known as Buck.

Q162. The scheme that has been launched as an intervention to protect the growers of fruits and vegetables from making distress sale due to lockdown and reduce the post -harvest losses.
(a) Kisan TOP scheme
(b) TOP krishi
(c) Krishi Udaan scheme
(d) MGNREGA
(e) Operation Greens
Ans.(e)
Sol. Operation Greens is a scheme launched as an intervention to protect the growers of fruits and vegetables from making distress sales due to lockdowns and to reduce post-harvest losses. This scheme is designed to stabilize the supply of these perishable commodities and ensure that farmers receive fair prices for their produce.
Under Operation Greens, the government provides financial assistance for setting up infrastructure facilities such as cold storage and supply chain management. It aims to create a seamless supply chain from the farmer to the consumer, reducing wastage and improving the income of farmers.

Q163. Urea has highest content of _____ with _____ %
(a) Nitrogen, 46
(b) Phosphorus, 46
(c) Potassium, 47
(d) Nitrogen, 76
(e) None of the above
Ans.(a)
Sol. The correct option is (a) Nitrogen, 46. Urea or carbamide is an organic compound with the chemical formula $CO(NH_2)_2$. The molecule has two -NH_2 groups joined by a carbonyl (C=O) functional group. Urea is also known as nitrogen fertilizer as it contains 46% nitrogen.

Q164. Colour of which of the following soils is red due to diffusion of iron rather than pressure of environment?
(a) Red Soil
(b) Black Soil
(c) Laterite soil
(d) Alluvial Soil
(e) None of the above
Ans.(a)
Sol. The correct option is (a) Red Soil. Red soil develops reddish colour due to the diffusion of iron in crystalline and metamorphic rocks. It looks yellow in a hydrated form. It is highly porous and fertile when they are fine-grained and deep.

Q165. Quincunx system of planting is followed in which of the following crops?
(a) Sugarcane
(b) Fruit trees
(c) Flower trees
(d) Shade trees
(e) None of the above
Ans.(b)
Sol. The correct option is (b) Fruits. Quincunx system of planting: It is also called a Diagonal system.

Q166. What is the name of the indigenous major carp which is also known to be fastest growing among fin fishes?
(a) Rohu
(b) Catla catla
(c) Mrigal
(d) Catfish
(e) None of the above
Ans.(b)
Sol. Catla Catla is the fastest growing, attaining a maximum size of 63 kg. It contributes about W-60% to the total production from polyculture systems and is in great demand.

Q167. Identify the instrument used for measuring the humidity, or amount of water vapour in the air.
(a) Albedometer
(b) Photometer
(c) Speedometer
(d) Hygrometer
(e) None of the above
Ans.(d)
Sol. A hygrometer is an instrument used to measure the humidity in the air, i.e., the amount of water vapour in the air, soil, or confined spaces.

Q168. Which of the following states has the highest number of SHGs run by women?
(a) Bihar
(b) Haryana
(c) Madhya Pradesh
(d) Rajasthan
(e) None of the above
Ans.(a)
Sol. Bihar has become the first state in the country to have 10 lakh self-help groups (SHGs) managed by women.
→ The groups have been functioning under Jeevika, a World Bank-supported poverty alleviation programme operational in the state since 2007 to empower women and make them self-reliant.
→ Jeevika model has ensured the empowerment of women in a big way.
→ Even during the Covid-19 pandemic, the women of Jeevika worked as bank correspondents and ensured over Rs 543 crore worth of transactions through POS machines to take banking to the doorsteps of the needy people in the remotest corners of the state.
→ Besides, it reached out to 1.09 crore households to create awareness, extend a helping hand for relief work, food security, work on sanitation etc.
→ Bihar rural livelihood Promotion Society (BRLPS), an autonomous society under the rural development department of the state government, has been designated as the State rural livelihoods Mission by the government to scale up the 'Jeevika' model in all 534 blocks of 38 districts under the national rural livelihood Mission (NRLM).
→ It has promoted sustainable livelihood and financial inclusion through women- based community institutions and enterprises.

Q169. Which of the following is the name of the NABARD project for ease of doing digitalized banking business with SHGs?
(a) FarmBee
(b) Kisan Suvidha
(c) E-NAM
(d) e- Shakti
(e) None of the above
Ans.(d)
Sol. The digitisation project named 'EShakti' aims to cover all the existing SHGs in each of the project districts.

Q170. Which of the following is a metal iron storage structure?

(a) CAP
(b) PAU bin
(c) Pusa bin
(d) Hagevu
(e) Hapur Tekka
Ans.(b)
Sol. For small-scale storage of grains the PAU bin, Pusa bin and Hapur tekka can be employed.
For safe and scientific storage, it is important to carefully select the storage site, storage structure, undertake cleaning and fumigation, ensure proper aeration of grains followed by regular inspection of grain stock.
Traditional methods of storage can be categorized into temporary storage methods and long-term storage methods.
PAU Bin is a metal iron storage structure developed by Punjab Agricultural University.

Q171. Haryana belongs to which of the following Agro-climatic zone?
(a) Western Himalayan Region
(b) Lower Gangetic Plain Region
(c) Trans-Ganga Plains Region
(d) Upper Gangetic Plains Region
(e) None of the above
Ans.(c)
Sol. Haryana falls in the Agro Climatic Zone-VI, which is called Trans-Gangetic Plains Region. The four main geographical features of the state are: Shivalik Hills, Ghaggar Yamuna Plain, Semi-desert sandy plain and Aravali hills.

Q172. Which of the following is the method of irrigation where water is applied near root zone?
(a) Sprinkle Irrigation
(b) Drip Irrigation
(c) Rain Gun
(d) Ring Basin Irrigation
(e) None of the above
Ans.(b)
Sol. The correct option is (b) Drip Irrigation. Water is applied close to plants so that only part of the soil in which the roots grow is wetted, unlike surface and sprinkler irrigation, which involves wetting the whole soil profile.

Q173. Which of the following is organic in nature?
(a) Urea
(b) Cow dung
(c) Ammonium Sulphate
(d) Super phosphate
(e) None of the above
Ans.(b)
Sol. The correct option is (b) Cow dung. Organic compounds are characterized by the presence of carbon atoms.

Q174. What is the minimum fraction of area to be covered under forest/tree cover under National Forest Policy?
(a) One-fifth
(b) One-fourth
(c) One-third
(d) Half
(e) None of the above
Ans.(c)
Sol. As per the National Forest Policy 1988, the national goal should be to have a minimum of one-third (33%) of the total land area of the country under forest or tree cover.

Q175. What is the name of the proportion of soil occupied by air and water?
(a) Density
(b) Space

(c) Porous
(d) Porosity
(e) None of the above
Ans.(d)
Sol. The correct option is (d) Pore Space. Porosity or pore space refers to the volume of soil voids that can be filled by water and/or air. It is inversely related to bulk density.

Q176. Under which of the following categories, more number of commodities are marketed under e-NAM initiative?
(a) Vegetables
(b) Spices
(c) Food grains
(d) Oil seeds
(e) Fruits
Ans.(a)
Sol. Under the e-NAM (Electronic National Agriculture Market) initiative, the category with the most significant number of commodities marketed is:
(a) Vegetables
The e-NAM initiative primarily focuses on the marketing of agricultural commodities through an online trading platform. While it covers various categories of commodities, including food grains, spices, oilseeds, and fruits, the largest number of commodities marketed under this initiative falls under the "Vegetables" category. This is because vegetables have a wide variety of types and are produced in large quantities across India, making them a significant part of the e-NAM platform's offerings.

Q177. As per UNEP Emissions GAP report 2020, which of the following countries is the largest contributor of Green House Gas (GHG) emissions?
(a) China
(b) USA
(c) India
(d) Australia
(e) Britain
Ans.(a)
Sol. The top seven emitters – China, the EU27, India, Indonesia, Brazil, the Russian Federation, and the United States of America- plus international transport accounted for 55% of global GHG emissions in 2020.

Q178. Study of fruits is called _____?
(a) Olericulture
(b) Pomology
(c) Viticulture
(d) Fruitology
(e) None of the above
Ans.(b)
Sol. Pomology is the branch of botany that deals with the study, fertilization, and cultivation of fruits, and the one who studies it is called a Pomologist.

Q179. Which of the following is a Potamodromous fish?
(a) Flathead catfish
(b) Tuna
(c) Herring
(d) Cod
(e) Brown Trout
Ans.(a)
Sol. A potamodromous fish is a fish that migrates within freshwater environments, such as rivers and streams. Among the options provided:
(a) Flathead catfish - This is the correct answer. Flathead catfish are known to be potamodromous, as they often migrate within freshwater rivers.

Q180. What is the size of operational holding of small farmers as per Agri census?
(a) <1 ha
(b) 1-2 ha
(c) 2-4 ha
(d) 4-6 ha
(e) None of the above
Ans.(b)
Sol. The size of the operational holding of small farmers as per the Agri census is (b) 1-2 ha.
This means that small farmers typically have operational holdings of land between 1 to 2 hectares.

Q181. What is the contribution of livestock to GVA 2018-19 in Indian economy as per National Accounts Statistics?
(a) 6.45%
(b) 3.32%
(c) 8.69%
(d) 4.19%
(e) 8.63%
Ans.(d)
Sol. The contribution of the livestock sector was 4.19 per cent of total GVA in 2018-19. ¾ Fish production in India reached an all-time high of 14.16 million metric tons in 2019-20.

Q182. What is the percentage of weaver households in rural India as per the 4th Handloom census?
(a) 45%
(b) 28.24%
(c) 88.7%
(d) 40.89%
(e) 34.56%
Ans.(c)
Sol. The correct option is (c) 88.7%.
According to the 4th Handloom Census, the percentage of weaver households in rural India is 88.7%. This data indicates that a significant portion of rural households in India are involved in weaving activities, highlighting the importance of the handloom sector in rural areas for economic livelihoods and cultural heritage preservation.

Q183. What is the education test conducted by the farmers under the direct supervision of extension worker to prove advantages of recommended method?
(a) Method demonstration
(b) Result demonstration
(c) Group discussion
(d) Exhibition
(e) None of the above
Ans.(b)
Sol. Result demonstration is an educational test to prove the advantages of recommended practices & to demonstrate their applicability to the local condition. It is conducted by a farmer under the direct supervision of an extension worker.

Q184. Which of the following is the state in India with highest registered FPCs?
(a) Rajasthan
(b) Uttar Pradesh
(c) West Bengal
(d) Gujarat
(e) Maharashtra
Ans.(e)
Sol. In India, FPCs (Farmers Producer Companies) are registered entities formed by farmers for better agricultural practices and marketing of their produce. The state with the highest registered FPCs is Maharashtra.

Maharashtra has a significant number of FPCs due to its proactive approach in promoting and supporting agricultural cooperatives and farmer-centric initiatives. These FPCs help farmers collectively address various challenges and enhance their income by improving agricultural practices and marketing their products effectively.

Q185. What is the traditional method of processing fish by salting, drying, smoking, pickling called?
(a) Curing
(b) Double freezing
(c) Smoking
(d) Freezing
(e) None of the above
Ans.(a)
Sol. The traditional methods of processing fish by salting, drying, smoking, pickling, marination and fermentation are collectively known as Curing. It is the oldest and cheapest method of fish preservation and is still widely practiced in many parts of the World.

Q186. Which of the following schemes has been renamed as National Rural Livelihood Mission?
(a) Indira Livelihood Mission
(b) Ajeevika Yojana
(c) Jawahar Swarozgar Yojna
(d) Swarna Jayanti Gram Swarozgar Yojna
(e) None of the above
Ans.(d)
Sol. Swarnajayanti Grameen Swarozagar Yojana is a scheme for the rural poor, by organizing them into self-help groups.
→ Swarnajayanti Grameen Swarozagar Yojana was started in 1999.
→ It was launched by the Ministry of Rural Development.
→ Swarnajayanti Grameen Swarozagar yojana was renamed as National Rural Livelihood Mission in 2011.
→ National Rural Livelihood Mission is the program launched by the government of India that aims at the removal of poverty with the aim of creating and increasing opportunities for self-help groups amongst the village.
→ It was launched during the 11th five-year planning.

Q187. What is the e - agri marketing initiative launched by Indian Tobacco Company Ltd.?
(a) e-kisan
(b) e-market
(c) e-chaupal
(d) e-nam
(e) None of the above
Ans.(c)
Sol. e-Choupal is an initiative of ITC Limited, a conglomerate in India, to link directly with rural farmers via the Internet for procurement of agricultural and aquaculture products like soybeans, wheat, coffee, and prawns.

Q188. What is the annual crop that generates larger residual quantum in Indian agriculture?
(a) Soybean
(b) Red gram
(c) Sugarcane
(d) Cereal crops
(e) None of the above
Ans.(d)
Sol. The annual crop that generates a larger residual quantum in Indian agriculture is (d) Cereal crops.
Cereal crops, such as rice, wheat, and maize, are the mainstay of Indian agriculture and contribute significantly to the residual quantum. These crops are cultivated on a large scale and play a crucial role in meeting the food grain requirements of the country. The residue left after harvesting these crops can also be used for various purposes, such as fodder for livestock or organic matter for soil improvement.

Q189. What is the Agroforestry system where Perennial hedges and crops are grown together?

(a) Silvipastoral system
(b) Agrisilvipastoral system
(c) Alley cropping
(d) Protein bank
(e) None of the above
Ans.(c)
Sol. Alley cropping: It is a type of agroforestry system that involves perennial hedges along with agricultural crop production. Alley cropping is the cultivation of food, forage or speciality crops between rows of trees.

Q190. Growing of two more crops simultaneously on the same field is known as _____?
(a) Intercropping
(b) Monocropping
(c) Monoculture
(d) Crop rotation
(e) None of the above
Ans.(a)
Sol. Cultivation of two or more crops together in the same field simultaneously is called mixed cropping or inter - cropping.

Q191. Which of the following is a Gols scheme that includes wage employment, community assets, individual beneficiary orientation programme?
(a) PMEG programme
(b) MUDRA scheme
(c) MGNREGA
(d) PMKSY
(e) None of the above
Ans.(c)
Sol. The correct option is (c) MGNREGA.
MGNREGA stands for Mahatma Gandhi National Rural Employment Guarantee Act. It is a government scheme in India that provides wage employment to rural households. Here's why it matches the description given in the question:
Wage Employment: MGNREGA guarantees 100 days of wage employment in a financial year to every rural household whose adult members volunteer to do unskilled manual work.
Community Assets: Under MGNREGA, the focus is not only on providing employment but also on creating productive community assets like roads, canals, ponds, etc., which benefit the entire community.
Individual Beneficiary Orientation Programme: MGNREGA also includes various components for individual beneficiaries, including skill development and livelihood support.

Q192. Which of the following is the name under which MUDRA gives loans upto Rs 50000 to beneficiary organization?
(a) Bala
(b) Tarun
(c) Kishor
(d) Shishu
(e) All of the above
Ans.(d)
Sol. Pradhan Mantri MUDRA Yojana (PMMY)
Shishu : covering loans upto 50,000/- Kishor : covering loans above 50,000/- and upto 5 lakh.

Q193. Wheel hoe is a widely accepted tool for?
(a) Plugging
(b) Weeding
(c) Wheeling
(d) Harvesting
(e) None of the above
Ans.(b)
Sol. The wheel hand hoe is a widely accepted weeding tool for doing weeding in row crops.

Q194. Covering of soil around the plant by straw, hay, leaves to conserve moisture is called as _____?
(a) Strawing
(b) Trashing
(c) Layering
(d) Mulching
(e) Filling
Ans.(d)
Sol. Mulching is the process wherein the bare ground between plants is covered with a layer of organic matter like straw. It helps to retain the soil's moisture.

Q195. Which of the following is a major objective of Atal Bhujal Yojana?
(a) to improve the water storage structures
(b) to improve the management of rivers and other water bodies
(c) to improve the water availability to irrigation purpose
(d) to improve the irrigation projects
(e) to improve the management of groundwater resources
Ans.(e)
Sol. The major objective of the Scheme is to improve the management of groundwater resources in select water stressed areas in identified states viz. Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh.

Q196. What is the area covered under the medium irrigation project, less than _____ ha more than _____ ha?
(a) 1000; 5000
(b) 10000; 2000
(c) 1500; 7500
(d) 1000; 7500
(e) 2000; 8500
Ans.(b)
Sol. Medium Irrigation Projects: Projects having CCA less than 10,000 ha but more than 2,000 ha are classified as medium irrigation projects. These are also multi-purpose surface water projects.

Q197. What are the hens specially reared for eggs called _____?
(a) Layers
(b) Broilers
(c) Country hens
(d) Ova hens
(e) None of the above
Ans.(a)
Sol. Chickens that are raised for eggs are known as layers, while chickens raised for meat are called broilers.

Q198. In order to regulate the temperature and to get rid of insects, the process of buffaloes rolling in water/mud is called as _____?
(a) Bellowing
(b) Wallowing
(c) Herring
(d) Malling
(e) Puffing
Ans.(b)
Sol. Wallowing is the process where buffaloes roll in water or mud to regulate their body temperature and get rid of insects. This behavior helps them cool down in hot weather and provides relief from insect bites. It's a common natural behavior exhibited by buffaloes and other animals to maintain their well-being.

Q199. GoI has launched a scheme for entire supply chain viz. pre-cooling, weighing, sorting, grading, waxing facilities at farm level, multi product/ multi temperature cold storage, CA storage, packing facility, IQF, blast freezing in the distribution hub

and reefer vans, mobile cooling units for facilitating distribution of horticulture, organic produce, marine, dairy, meat and poultry etc. under Pradhan Mantri Kisan Sampada Yojana?
(a) Integrated Cold Chain and Value Addition Infrastructure
(b) Infrastructure for Agro-Processing Cluster
(c) Creation of Backward & Forward linkages
(d) Food Safety and Quality Assurance Infrastructure
(e) None of the above
Ans.(a)
Sol. Under the Pradhan Mantri Kisan Sampada Yojana, GoI (Government of India) has launched a scheme that encompasses various aspects of the supply chain in agriculture and food processing. This scheme focuses on creating infrastructure for cold chain management and value addition. It includes facilities like pre-cooling, weighing, sorting, grading, waxing at the farm level, as well as multi-product/multi-temperature cold storage, controlled atmosphere (CA) storage, packing facilities, individual quick freezing (IQF), blast freezing at distribution hubs, and reefer vans for transportation.
This initiative aims to support the entire supply chain for various products, including horticulture, organic produce, marine products, dairy, meat, and poultry. Therefore, the correct option is (a) Integrated Cold Chain and Value Addition Infrastructure, as it aligns with the comprehensive nature of this scheme.

Q200. All women SHGs under DAY- NRLM, will be eligible for interest subvention on prompt payment to the extent of difference between the lending rates and 7% for the loan up to Rs. 300,000/- subject to maximum of or as prescribed by the MORD.
(a) 7.2%
(b) 4%
(c) 3%
(d) 2.5%
(e) 5.5%
Ans.(e)
Sol. All women SHGs under DAY– NRLM, will be eligible for interest subvention on prompt payment to the extent of difference between the lending rates and 7% for the loan up to Rs. 300,000/- subject to maximum of 5.5 % or as prescribed by the MoRD. This part of the scheme will be operationalized by SRLMs.
