

IBPS RRB Clerk Mains Previous Year Paper 2023

Directions (1-5): Study the following information carefully and answer the questions given below:
Eight persons sit around a circular table such that four of them face towards the centre and the remaining four face away from the centre. One person sits between A and F (either from left or right). B sits second to the left of F. Immediate neighbours of A face the opposite directions as A faces. C sits second to the right of A. As many persons sit between A and B as between D and E. E neither sits adjacent to A nor sits adjacent to F. G doesn't face H. H sits second to the right of E. Both H and E face opposite directions with respect to each other. C faces same direction as G and opposite direction as B.

Q1. How many persons sit between F and G when counted from the left of G?

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

Q2. Four of the following five are alike in a certain way and hence form a group. Who among the following does not belong to that group?

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

Q3. Which among the following statement(s) is/are true?

- I. C faces inside the table
- II. D and A sit adjacent to each other
- III. F faces C

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



Q4. Who among the following sits second to the right of B?

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

Q5. If all the persons sit alphabetically in anticlockwise direction with respect to A, then the position of how many persons remains unchanged (excluding A)?

- (a) None
- (b) Three
- (c) Two
- (d) More than three
- (e) One

Directions (6-9): Study the following information carefully and answer the questions given below:

Ten boxes Q, R, S, T, U, V, W, X, Y and Z are kept one above the other in the form of the stack but not necessarily in the same order.

Only three boxes are kept between box W and box X. Box Z is kept two boxes below box X. As many boxes are kept between box X and box Z as kept between box W and box T. Two boxes are kept between box Y and box W which is kept below box Y. Box Q is kept adjacent to box T and kept two boxes above box R. Box Z is not kept adjacent to box R which is kept just above box U. Box V is kept above box Z and below box S.

Q6. How many boxes are kept between box Y and box S?

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

Q7. Four of the following five are alike in a certain way and hence form a group. Which among the following does not belong to that group?

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

Q8. Which among the following statement(s) is/are true?

- I. Box Y is kept at the topmost position
- II. Even number of boxes kept below box U
- III. At least one box is kept below box Z

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

Q9. Which among the following box is kept four boxes above box S?

- (a) Box W
- (b) Box Z
- (c) Box T
- (d) Box Q
- (e) Box Y

Q10. If in the given word "PREPARATION" vowel is replaced with its immediate succeeding letter and consonant is replaced with its immediately preceding letter. Then the repeated letters are dropped and the remaining letters are arranged in alphabetical order from left to right. Which among the following letter is second from the right end after arrangement?

- (a) M
- (b) S
- (c) P
- (d) J
- (e) F

Directions (11-15): Study the following information carefully and answer the questions given below:

Seven persons were born in seven different months i.e. March, April, May, June, July, August and September. Each of them likes different writers-Anand Raj, Amrita, Kamala Das, Toru Dutt, Kiran, Amish and Kavita but not necessarily in the same order.

Only two persons were born between B and the one who likes Toru Dutt. B was born in the month having even number of days. A was born immediately after the one who likes Toru Dutt. The number of persons born before A is one less than the number of persons born after the one who likes Amish. Only three persons were born between E and the one who likes Kamala Das. The one who likes Kamala Das was born two persons after the one who likes Amish. G was born after E but in the month having 30 days. More than two persons were born between G and the one who likes Anand Raj. F was born immediately before the one who likes Amrita. D was born before the one who likes Anand Raj but not immediately before. At most one person was born between C and the one who likes Kavita.

Q11. How many persons were born between D and the one who likes Kavita?

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

Q12. Which among the following combination(s) is/are correct?

- (a) D- Toru Dutt
- (b) E-Anand Raj
- (c) B-Kavita
- (d) G-Kamala Das
- (e) All are correct

Q13. Which among the following statement is not true?

- (a) Only one person was born after C
- (b) F was born in the month having odd number of days
- (c) No one was born between B and E
- (d) Even number of persons were born before B
- (e) All are true

Q14. In which among the following month does C was born?

- (a) March
- (b) August
- (c) April
- (d) July
- (e) September

Q15. Four of the following five are alike in a certain way and hence form a group. Who among the following does not belong to that group?

- (a) The one who likes Anand Raj
- (b) The one who likes Toru Dutt
- (c) The one who likes Kavita
- (d) The one who likes Amish
- (e) The one who likes Amrita

Directions (16-18): Study the following information carefully and answer the questions given below:

D is spouse of E who is daughter of H. H is husband of I and his only son is uncle of F. F's mother does not have any sister. J's only sister is sister-in-law of C. J is son of I. C is son of B and A who is not wife of B. Only one child of B is married and has children. G is only granddaughter of B.

Q16. How is D's son related to C?

- (a) Uncle
- (b) Husband
- (c) Nephew
- (d) Father
- (e) Father-in-law

Q17. Who among the following is sister of J?

- (a) C's sibling
- (b) B's daughter-in-law
- (c) G's sibling
- (d) B's granddaughter
- (e) None of these

Q18. Four of the following five are alike in a certain way and hence form a group. Who among the following does not belong to that group?

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

Directions (19-20): Study the following information carefully and answer the questions given below:

A girl starts walking from her school and walks in east direction and reaches at point A after walking 5m. From point A she takes a left turn and walks 10m and reach at point D. Then she takes two consecutive right turns of 7m and 4m and reaches at point G and point C respectively. From point C she takes a left turn and walks 9m to reach at point B. Now, from point B she takes a right turn and walks 11m to reach at point F. From point F she takes a left turn and walks 3m to reach at point K.

Q19. In which direction is her school with respect to point K?

- (a) North-east
- (b) North-west
- (c) South-west
- (d) South-east
- (e) West

Q20. What is the shortest distance between point A and point F?

- (a) 281m
- (b) $\sqrt{280}$ m
- (c) $\sqrt{281}$ m
- (d) 280m
- (e) None of these

Q21. A certain number of persons sit in a linear row facing north direction. Only three persons sit to the right of J. B sits adjacent to J. D sits fourth to the left of B. M sits exactly between D and Q. Seven persons sit between M and Y who sits to the right of M. The person who sits immediate right of D sits fifth to the right of Q. The number of persons sits to the right of Y is one less than the number of persons sits to the left of Q. Y doesn't sit adjacent to J. How many persons sit in the row?

- (a) 15
- (b) 18
- (c) 12
- (d) 13
- (e) 11

Directions (22-26): Study the following information carefully and answer the questions given below:

Six persons- P, Q, R, S, T and U are living in the three-floor building (but not necessarily in the same order). The ground floor is numbered as 1, the floor just above it is numbered as 2 and so on. Each floor has 2 flats in it i.e., flat A and flat B. Flat A of floor 2 is immediately above flat A of floor 1 and immediately below flat A of Floor 3. Flat B of Floor 2 is immediately above flat B of floor 1 and immediately below flat B of Floor 3. Flat A is exactly to the west of Flat B. Each of them is from different cities.

The one who is from Hobart lives to the north - east of R who lives on an odd numbered floor. The one who is from Brisbane lives immediately above R. One floor gap is between P and Q. Q lives to the south-east of the one who is from Brisbane. S lives on one of the floors below P. U lives to the west of the one who is from Perth. The one who is from Melbourne lives below S's floor and both lives in different named flats. The one who is from Canberra and T live in the same named flat. One of them is from Sydney.

Q22. On which of the following floor and flat does T live?

- (a) 2nd floor, flat A
- (b) 3rd floor, flat B
- (c) 2nd floor, flat B
- (d) 1st floor, flat A
- (e) None of these

Q23. Who among the following is from Canberra?

- (a) P
- (b) T
- (c) Q
- (d) U
- (e) Can't be determined

Q24. Four of the following five are alike in a certain way and form a group. Who among the following person does not belong to the group?

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

Q25. Which among the following statement(s) is/are true?

- I. P and T live on the same floor
- II. The one who is from Perth lives just above Q's flat
- III. Q lives in flat A
- (a) Both I and II
- (b) Both II and III
- (c) Only II
- (d) Both I and III
- (e) Only III

Q26. Which among the following combination(s) is/are correct?

- (a) P-Sydney
- (b) R-Melbourne
- (c) U-Brisbane
- (d) T-Hobart
- (e) All are correct

Directions (27-30): In each question below, some statements are given followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Q27. Statements:

- Only a few corn is flakes
- Some flakes is not jump
- All Jump is run

Conclusions:

- I. All run being flakes is a possibility
- II. Some flakes are not corn
- (a) Only I follows
- (b) Both I and II follow
- (c) Only II follows
- (d) None follows
- (e) Either I or II follows

Q28. Statements:

- Only uber is ola
- Some uber is car
- Only a few car is taxi

Conclusions:

- I. Some car is not taxi
- II. All uber can never be car
- (a) Only I follows
- (b) Both I and II follow
- (c) Only II follows
- (d) None follows
- (e) Either I or II follows

Q29. Statements:

- All light is energy
- No energy is bulb
- Only a few bulb is tube

Conclusions:

- I. Some tube is not energy
- II. All tube is energy
- (a) Only I follows
- (b) Both I and II follow
- (c) Only II follows
- (d) None follows
- (e) Either I or II follows

Q30. Statements:

- Only a few paper is file
- All paper is book
- Some file is not folder

Conclusions:

- I. All paper is folder
- II. No paper is folder
- (a) Only I follows
- (b) Both I and II follow
- (c) Only II follows
- (d) None follows
- (e) Either I or II follows

Directions (31-35): Study the following information carefully and answer the questions given below:

In a certain coded language,

“Required for peaceful lifestyle” is coded as “pq wo ie ru”

“Never for any discrimination” is coded as “al wo dj fh”

“Any lifestyle necessity happiness” is coded as “ru yt al sk”

“Great peaceful necessity faithful” is coded as “yt mz xn pq”

Q31. What is the code for the word “Peaceful” in the given code language?

- (a) ru
- (b) yt
- (c) al
- (d) pq
- (e) Can’t be determined

Q32. What may be the phrase for the code “ie yt mz” in the given code language?

- (a) Necessity faithful required
- (b) Peaceful great faithful
- (c) Required necessity great
- (d) Faithful lifestyle great
- (e) Either (a) or (c)

Q33. If “Problem Never” is coded as “dj pz”, and “Problem all” is coded as “pz cn” then what will be the code for “All discrimination” in the given coded language?

- (a) pz wo
- (b) cn dj
- (c) fh cn
- (d) fh zp
- (e) Can’t be determined

Q34. What is the phrase for the code “wo al” in the given coded language?

- (a) Lifestyle any
- (b) Any for
- (c) Necessity discrimination
- (d) Never for
- (e) None of these

Q35. What is the code for the word “lifestyle” in the given coded language?

- (a) yt
- (b) al
- (c) ru
- (d) pq
- (e) sk

Directions (36-40): Study the following information carefully and answer the questions given below:

Nine persons- M, N, O, P, Q, R, S, T and U are working in the company (but not necessarily in the same order) at different designations such as General Manager, Senior Manager, Manager, Deputy Manager, Junior Manager, Senior Officers, Senior Assistant, Assistant and Junior Assistant. The designations are given in decreasing order, such that General Manager is the senior-most designation and Junior Assistant is the junior-most designation.

U is four designations junior to N who is senior to Deputy Manager. The number of persons senior to N is one less than the number of persons junior to P. Only three persons are designated between P and Q. M is two designations junior to Q. The number of persons designated between M and R is one less than the number of persons designated between R and S who is senior to U. T is senior to O who is not designated as Junior Assistant.

Q36. How many persons are designated between R and the one who is immediately senior to M?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) More than four

Q37. Who among the following person is designated as Assistant?

- (a) R
- (b) O
- (c) S
- (d) Q
- (e) M

Q38. Who among the following person is three designations senior to R?

- (a) P
- (b) The one who is designated as Junior manager
- (c) S
- (d) O
- (e) The one who is immediately junior to M

Q39. Which among the following statement(s) is/are true?

I. Even number of persons are designated as junior to Q

II. O is immediately junior to R

III. T is designated as General Manager

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

Q40. As many persons are designated between T and _ as junior to _ respectively?

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

Directions (41-49): Read the passage carefully and answer the questions based on the passage.

In the vast expanse of the world's oceans, sharks stand as formidable guardians, playing a crucial role in maintaining the delicate balance of marine ecosystems. These majestic creatures, often misunderstood and misrepresented, are key contributors to the health and sustainability of our seas.

Sharks, as apex predators, help regulate the population of marine species by preying on weaker or sick individuals. This, in turn, prevents the overpopulation of certain species and ensures biodiversity within the ocean. Their presence is indicative of a thriving ecosystem, as a decline in shark populations can trigger a cascade effect, disrupting the entire marine food web.

Beyond their ecological significance, sharks also contribute to the economy through ecotourism. Many regions around the world attract tourists eager for shark diving experiences, providing a sustainable source of income for local communities. This highlights the economic value of these creatures in supporting both marine conservation efforts and livelihoods.

However, sharks face numerous threats, including overfishing and habitat degradation. Shark finning, driven by the demand for shark fin soup, poses a significant risk to their populations. Conservation initiatives and international collaborations are essential to address these challenges and ensure the continued survival of these vital oceanic guardians.

In conclusion, sharks **prove to be more than** fearsome predators, playing indispensable roles in maintaining the delicate balance of healthy marine ecosystems. Recognizing the beauty and significance of the sea, it becomes imperative to acknowledge the crucial part sharks play in sustaining life beneath the waves. Through _____ conservation efforts and heightened awareness, a flourishing future for both sharks and the oceans they inhabit can be ensured.

Q41. How do sharks contribute to maintaining biodiversity and regulating marine populations as apex predators?

- (a) By migrating to different ocean regions, promoting biodiversity across ecosystems.
- (b) By avoiding interactions with other marine species, maintaining a passive role in the ecosystem.
- (c) By exclusively preying on dominant species, allowing weaker ones to flourish.
- (d) By primarily feeding on plants, creating a diverse marine environment.
- (e) By consuming weaker or sick individuals, preventing overpopulation and ensuring ecosystem balance.

Q42. Which of the following statement is true based on the information provided in the passage?

- (a) Shark finning, driven by the demand for shark fin soup, is beneficial for the overall health of shark populations.
- (b) Sharks are exclusive scavengers, relying on dead marine organisms to contribute to biodiversity.
- (c) The economic contribution of sharks to ecotourism has a negative impact on local communities.
- (d) Sharks play a vital role in the economic landscape by bolstering ecotourism, drawing in visitors seeking thrilling shark diving adventures.
- (e) None of the above

Q43. Why are conservation initiatives and global collaborations deemed essential for the ongoing survival of sharks?

- (a) To increase fishing quotas and support sustainable shark harvesting.
- (b) To raise awareness about sharks in local communities.
- (c) To establish shark sanctuaries for exclusive protection.
- (d) To relocate sharks to safer environments with reduced human impact.
- (e) To tackle challenges such as "depletion threats," collaborative initiatives are essential.

Q44. How do misconceptions about sharks affect conservation efforts?

- (a) By disseminating accurate information and cultivating public awareness.
- (b) By cultivating positive attitudes toward sharks and advocating for their protection.
- (c) By impeding public support and understanding, effective conservation efforts may be compromised.
- (d) By instilling a sense of urgency, there is potential for heightened conservation funding.
- (e) By exclusively shaping public opinion without impacting efforts in conservation.

Q45. Choose the most suitable antonym of the word "formidable" as highlighted in the passage.

- (a) daunting
- (b) appalling
- (c) unnerving
- (d) perturbing
- (e) tranquilizing

Q46. A sentence is given in the passage, with a phrase highlighted in bold. There may or may not be an error in the highlighted phrase. The erroneous phrase can be replaced with one of the given alternatives. Choose "No replacement required" as your response if the highlighted phrase is correct.

In conclusion, sharks **proven to be more than** fearsome predators, playing indispensable roles in maintaining the delicate balance of healthy marine ecosystems.

- (a) proves to be more than
- (b) proved to been more than
- (c) proven to been more than
- (d) prove to be more than
- (e) No replacement required

Q47. Find the suitable word to fill the given below blank taken from the passage.

Through _____ conservation efforts and heightened awareness, a flourishing future for both sharks and the oceans they inhabit can be ensured.

- (a) verified
- (b) represented
- (c) dedicated
- (d) neglected
- (e) misapplied

Q48. Which of the following statements is incorrect based on the information provided in the passage?

- (a) Sharks face numerous threats, including overfishing and habitat degradation.
- (b) Shark finning is driven by the demand for shark fin soup, posing a significant risk to shark populations.
- (c) Conservation initiatives and international collaborations are consequential in addressing the challenges faced by sharks.
- (d) Sharks are often misunderstood and misrepresented in public perception.
- (e) The passage highlights the frivolous role of sharks in maintaining the balance of marine ecosystems.

Q49. Based on the information provided, what inference can be made about the portrayal of sharks in media and popular culture?

- (a) The passage indicates that sharks receive minimal attention in media, making their portrayal inconsequential.
- (b) Media and popular culture often misrepresent sharks, contributing to common misunderstandings.
- (c) The passage indicates that sharks are a significant focus in media, but the information provided does not delve into how they are portrayed.
- (d) Sharks are universally feared and consistently portrayed negatively in media, aligning with accurate depictions.
- (e) The passage suggests that sharks are portrayed as dominant and aggressive creatures in media, promoting fear and misunderstanding.

Directions (50-54): Rearrange the following sentences in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) The advent of cars eliminated geographic barriers, connecting remote areas and facilitating urbanization by enabling commuting to city centers.
- (B) Moreover, automobiles revolutionized transportation, democratizing mobility and reshaping the way people travel.
- (C) They offered unprecedented accessibility, enabling individuals to traverse long distances efficiently.
- (D) Its impact spans beyond mere transportation, influencing cultural, economic, and societal facets.
- (E) The automobile, since its inception, has significantly transformed societies worldwide.

Q50. Which of the following should be the THIRD sentence after rearrangement?

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

Q51. Which of the following should be the FOURTH sentence after rearrangement?

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

Q52. Which of the following should be the SECOND sentence after rearrangement?

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

Q53. Which of the following should be the FIFTH sentence after rearrangement?

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

Q54. Which of the following should be the FIRST sentence after rearrangement?

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

Directions (55-59): In the following questions, sentence/passage is split into four parts and named A, B, C and D. These four parts are not given in their proper order. Read the sentence/passage and find out which of the four combinations is correct. If the sentence is correct in the given order as it is, then select option "No rearrangement required" as your answer choice.

Q55. (A) vehicles and infrastructure, traffic
(B) manage traffic patterns more effectively
(C) with data from connected
(D) management systems can predict and
(a) ADCB
(b) CADB
(c) DBAC
(d) BDCA
(e) No rearrangement required

Q56. (A) perform a wide range of tasks, from simple
(B) maneuvers in urban environments
(C) point-to-point transportation to complex
(D) autonomous vehicles have the potential to
(a) CBDA
(b) ABDC
(c) DACB
(d) DABC
(e) No rearrangement required

Q57. (A) learning, and the individualized pace at
(B) a singular letter or number fails to communicate the
(C) which students absorb information
(D) depth of understanding, the process of
(a) DBCA
(b) CDAB
(c) ACDB
(d) BDAC
(e) No rearrangement required

Q58. (A) students are challenged to showcase their
(B) not confined to the theoretical realm
(C) understanding through real-world
(D) applications, ensuring that their education is
(a) CBAD
(b) CDBA
(c) ADBC
(d) ACDB
(e) No rearrangement required

Q59. (A) get the restorative sleep they need
(B) can take proactive steps to ensure they
(C) physical, mental, and emotional health, individuals
(D) by acknowledging the profound impact of sleep on
(a) CBAD
(b) BDAC
(c) DCBA
(d) CDAB
(e) No rearrangement required

Directions (60-64): Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If the sentence is grammatically and contextually correct, then mark 'No error', as your answer. (Ignore errors of punctuation, if any).

Q60. Ecotherapy, also known as nature therapy (A)/ or green therapy, is an emerge field (B)/ that recognizes and harnesses the (C)/ healing benefits of the natural world. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q61. The mind and body are intricately (A)/ connected, operating as a unified (B)/ system were thoughts, emotions, (C)/ and physical health intertwine. (D)

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

Q62. Vaccines stand as a cornerstone of (A)/ public health, offering protection (B)/ against deadly diseases and shaping (C)/ the course of global well-being. (D)

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

Q63. Extended screening time and constant (A)/ use of digital devices in a remote (B)/ work setting can lead to eye strain, (C)/ headaches, and neck discomfort. (D)

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

Q64. The natural world provides (A)/ a serene backdrop that allows individual (B)/ to escape the (C)/ pressures of daily life. (D)

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

Directions (65-69): In each of the questions given below four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other. If the sentence is correct as it is then select option (E) as your choice.

Q65. Education, once **courtesy (A) within the walls of traditional classrooms, is now **experiencing** (B) a **significant** (C) transformation, **confined** (D) of technological advancements.**

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

Q66. Aging gracefully is about maintaining a positive **active (A)**, staying **outlook (B)**, and **getting (C)** the changes that come with **embracing (D)** older.

- (a) A-B & C-D
- (b) A-B
- (c) A-C & B-D
- (d) C-D
- (e) No interchange required

Q67. Proteins are the building **blocks (A)** of immune cells, and adequate protein **intake (B)** is necessary for a **response (C)** immune **robust (D)**.

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

Q68. Social isolation refers to the **objective (A)** state of having **limited (B)** or no social contacts, while loneliness is the **subjective (C)** feeling of being **isolated (D)** or lacking social connections.

- (a) A-C & B-D
- (b) B-C
- (c) A-B & C-D
- (d) A-D
- (e) No interchange required

Q69. Biofeedback is a **control (A)** that allows individuals to monitor and **technique (B)** physiological functions like heart **tension (C)**, blood pressure, and muscle **rate (D)**.

- (a) A-D & B-C
- (b) C-A
- (c) B-D
- (d) A-B & C-D
- (e) No interchange required

Directions (70-74): In each of the question given below, a statement has been given with a blank. Some words or phrases have been given in the options following the statement. Choose the most appropriate word or phrase that could fit in the statement to make it contextually meaningful and grammatically correct.

Q70. His constant criticism and dismissive attitude began to _____ his colleagues, creating a tense and unfriendly work environment.

- (a) mollify
- (b) reconcile
- (c) pacify
- (d) appease
- (e) alienate

Q71. The librarian was happy to assist the student with their research _____, helping them find relevant books and resources for their project.

- (a) belief
- (b) surety
- (c) endure
- (d) query
- (e) tolerate

Q72. After a long day of hiking, my car unexpectedly _____, leaving me stranded on the side of the road.

- (a) back down
- (b) call around
- (c) back up
- (d) blow up
- (e) broke down

Q73. She _____ the lead in the project, showcasing her organizational skills and dedication to its success.

- (a) had took
- (b) taken
- (c) had taken
- (d) took
- (e) have take

Q74. Despite careful planning, the business deal began to _____ due to unforeseen complications in the negotiation process.

- (a) get over
- (b) fall through
- (c) hang over
- (d) pass away
- (e) wipe off

Directions (75-78): In each of the questions given below, a few words are given in two columns. Choose the best possible combination of synonyms as your answer from the given options. If there is/ are no possible combination of synonyms from the options given below, then mark "None of these" as your answer choice.

Q75. COLUMN (I)

- (A) Committed
- (B) Impact
- (C) Vigilant

COLUMN (II)

- (D) Ramification
- (E) Oblivious
- (F) Attained

- (a) C-E & A-D
- (b) B-F
- (c) A-F & B-D
- (d) C-D
- (e) None of these

Q76. COLUMN (I)

- (A) Cynicism
- (B) Abundance
- (C) Naivety

COLUMN (II)

- (D) Disrupt
- (E) Optimism
- (F) Adept

- (a) B-D
- (b) C-D & A-E
- (c) A-F & B-D
- (d) C-E
- (e) None of these

Q77. COLUMN (I)

- (A) Servile
- (B) Tractable
- (C) Irresolute

COLUMN (II)

- (D) Humble
- (E) Hesitant
- (F) Determined

- (a) C-E & A-D
- (b) B-F
- (c) A-F & B-D
- (d) C-D
- (e) None of these

Q78. COLUMN (I)

- (A) Gibe
- (B) Enthrall
- (C) Delectable

COLUMN (II)

- (D) Pleasant
- (E) Weary
- (F) Fascinate

- (a) A-D
- (b) C-F & A-E
- (c) B-F & C-D
- (d) B-E
- (e) None of these

Directions (79-80): In each of the questions given below, a few words are given in two columns. Choose the best possible combination of antonyms as your answer from the given options. If there is/ are no possible combination of antonyms from the options given below, then mark "None of these" as your answer choice.

Q79. COLUMN (I)

- (A) Blandishment
- (B) Inducing
- (C) Abscond

COLUMN (II)

- (D) Denunciation
- (E) Endure
- (F) Fetter
- (a) C-E & A-D
- (b) B-F
- (c) A-F & B-D
- (d) C-D
- (e) None of these

Q80. COLUMN (I)

- (A) Opprobrium
- (B) Pellucid
- (C) Torpor

COLUMN (II)

- (D) Tinted
- (E) Puissant
- (F) vertigo
- (a) B-D
- (b) C-D & A-E
- (c) A-F & B-D
- (d) C-E
- (e) None of these

Directions (81-85): Read the following information carefully and answer the questions given below. The information is about two types of cars (Coupe and SUV) sold by three (A, B, and C) different sellers.

The SUV cars sold by B is 20% less than the Coupe cars sold by A. The SUV cars sold by A are 35 more than the Coupe cars sold by A. The ratio of Coupe cars sold by A to C is 5:3, respectively. The difference between SUV cars sold by A and B are 55.

Q81. If the average number of Coupe cars sold by all the sellers is 80, then find the ratio of SUV cars sold by A to Coupe cars sold by B.

- (a) 22:19
- (b) 27:16
- (c) 24:17
- (d) 23:14
- (e) 28:13

Q82. If the average number of SUV cars sold by B and C is 70, then find the total cars (Coupe and SUV) sold by sellers C.

- (a) 120
- (b) 130
- (c) 110
- (d) 140
- (e) 150

Q83. Find the difference between Coupe cars sold by A and SUV cars sold by B.

- (a) 10
- (b) 16
- (c) 14
- (d) 24
- (e) 20

Q84. 25% of the SUV cars manufactured by B are sold, and the ratio of coupe cars to SUV cars manufactured by B is 4:3, respectively. If the total unsold cars (coupe and SUV) of B are 290, then find the coupe cars sold by B.

- (a) 120
- (b) 160
- (c) 140
- (d) 190
- (e) 180

Q85. If the ratio of Coupe cars sold by B to C is 5:3 respectively and total cars (coupe and SUV) sold by all three sellers are 550, then find the SUV cars sold by C is what percentage of Coupe cars sold by A?

- (a) 105%
- (b) 120%
- (c) 75%
- (d) 50%
- (e) 110%

Q86. The ratio of ages of P and R four years ago was 7:4, respectively, and the present average age of P and Q is 21 years. If Q's present age is twice that of R, then find the present age of P (in years).

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

Q87. P and Q started a business with a total investment of Rs Y, and after four months, P left and R joined with an investment of Rs 3000. If at the end of the year the profit-sharing ratio of P, Q, and R is 2:15:6, then find the difference between the initial investment of Q and R (in Rs).

- (a) 3000
- (b) 2000
- (c) 1000
- (d) 4000
- (e) 5000

Q88. A mixture contains 60 liters of milk. When the same quantity of milk and water added in the vessel, then the quantity of water in the resultant mixture is 40% of the milk. Now 30% of the mixture was taken out from the resultant mixture, and the same quantity of water was added to the mixture. Find the ratio of milk to water in the final mixture.

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

Q89. A invested Rs 3X in scheme P, which offers simple interest at 15% p.a. for five years and the amount received from scheme P was invested in scheme Q, which offers simple interest at 10% p.a. for four years. If the difference between the interest received from the schemes is Rs 150, then find the amount invested in the scheme Q (in Rs).

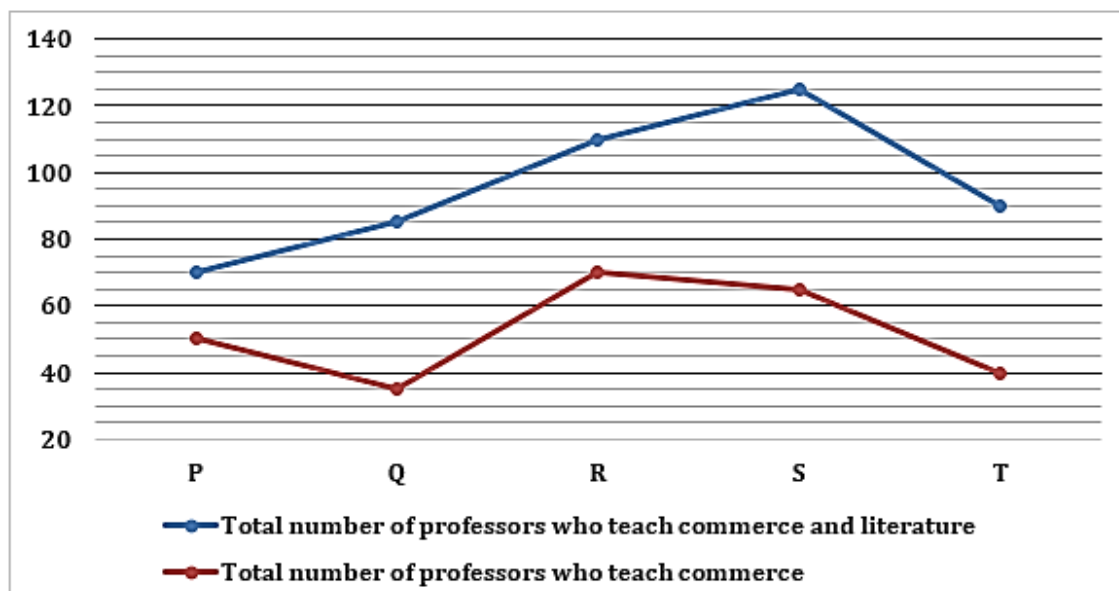
- (a) 5250
- (b) 3000
- (c) 8250
- (d) 4550
- (e) 6570

Q90. The upstream speed of a boat is 14 km/hr, and the total time taken by the boat to cover D km downstream and D-6 km upstream is 15 hours. If the speed of the stream is 4 km/hr, then find the time taken (in hours) to cover $(0.5D+6)$ km of still water.

- (a) 2.5
- (b) 4
- (c) 5
- (d) 3.5
- (e) 1.5

Directions (91-95): Read the following line graph carefully and answer the questions given below.

The line graph shows the total number of professors who teach commerce and literature in five (P, Q, R, S, and T) different colleges. The line graph also shows the total number of professors who teach commerce at these colleges.



Note: Total number of professors who teach commerce and literature = Total professor who teach commerce + Total professor who teach literature.

Q91. Find the ratio of the average number of professors who teach literature in colleges Q, S and R to the average number of professors who teach commerce in colleges T and P.

- (a) 11:10
- (b) 9:10
- (c) 10:9
- (d) 10:11
- (e) 11:13

Q92. All the professors in colleges T who teach literature took a lecture of 1.5 hours and who teach commerce took a lecture of 'x' hours. If the total lectures of 155 hours taken by all the professors in college is T, then find the value of 'x'.

- (a) 1.5
- (b) 3.5
- (c) 4
- (d) 2.5
- (e) 2

Q93. Total professors who teach literature in college Q and T together is what percentage of total professors who teach commerce and literature together in college S?

- (a) 25%
- (b) 50%
- (c) 75%
- (d) 80%
- (e) 90%

Q94. Find the difference between the total professors who teach literature in all five colleges and the total professors who teach commerce in these colleges.

- (a) 20
- (b) 40
- (c) 35
- (d) 15
- (e) 10

Q95. The total professors who teach literature in college R and P together is what percentage is more or less than the total professors who teach commerce in college Q (approx.)?

- (a) 67%
- (b) 71%
- (c) 74%
- (d) 63%
- (e) 77%

Q96. The length of a train is $X+150$ meters, and it crosses a man who is running in the same direction as of train with the speed of 10 km/hr in 25.2 seconds. If the speed of the train is 50 km/hr, then find the time (in seconds) taken by the train to cross a 'X-10'-metre-long bridge.

- (a) 28.8
- (b) 24.4
- (c) 22.2
- (d) 21.1
- (e) 26.6

Q97. A can complete 20% of the work in 4 days, and B can complete $\frac{3}{7}$ th of the work in 12 days. If the efficiency of C is 60% of the efficiency of B, then find out how many days A and C together can complete the whole work.

- (a) 11
- (b) 14
- (c) 13
- (d) 15
- (e) 12

Q98. The cost price of the article is Rs X, and it is marked 80% above its cost price. If a shopkeeper allows a 20% discount on the article and earns a profit of Rs 88, then find the marked price of the article (in Rs).

- (a) 360
- (b) 288
- (c) 200
- (d) 256
- (e) 378

Q99. A box contains X red balls, 8 blue balls, and 12 purple balls. If one blue ball is picked from the box, then the probability of a blue ball is $\frac{4}{13}$. When we pick two balls from the box, then find the probability that only one ball is red.

- (a) $\frac{21}{65}$
- (b) $\frac{24}{65}$
- (c) $\frac{23}{65}$
- (d) $\frac{27}{65}$
- (e) $\frac{29}{65}$

Q100. The perimeter of a square is 60 cm, and the diameter of a cylinder is 80% of the side of the square. If the volume of the cylinder is 792 cm^3 , then find the height of the cylinder (in cm).

- (a) 11
- (b) 16
- (c) 9
- (d) 12
- (e) 7

Directions (101-105): The table shows the total tickets (business class and economy class) purchased by the passengers of three (P, Q and R) different airlines. The table also shows the percentage of economy class tickets purchased and males who purchased economy class tickets in these airlines. Read the following table carefully and answer the questions given below.

Airlines	Total tickets (business class and economy class) purchased	Percentage of economy class tickets purchased	Males who purchased economy class tickets
P	500	60%	180
Q	360	66.67%	150
R	650	40%	140

Q101. Find the ratio of business class tickets purchased by passengers of airlines Q and P together to females who purchased economy class tickets of airlines R.

- (a) 5:9
- (b) 8:3
- (c) 11:4
- (d) 5:2
- (e) 7:8

Q102. Males who purchased business class tickets from airline P are 80% of females who purchased economy class tickets from airline P. Females who purchased business class tickets from airline P is what percentage of the total tickets (economy class and business class) purchased by passengers from airline R?

- (a) 33.33%
- (b) 12.5%
- (c) 8%
- (d) 24%
- (e) 16%

Q103. Find the average number of females who purchased economy class tickets from all three airlines.

- (a) 100
- (b) 120
- (c) 130
- (d) 110
- (e) 90

Q104. Find the difference between business class tickets purchased by the passenger from airlines P and R together and males who purchased economy class tickets from airlines Q and P together.

- (a) 280
- (b) 220
- (c) 260
- (d) 270
- (e) 250

Q105. Total males who purchased business class and economy class tickets together from airline R are 320. The females who purchased business class tickets from airline R is what percentage more or less than the total tickets (business class and economy class) purchased by passengers from airline Q?

- (a) 39.33%
- (b) 18.33%
- (c) 41.67%
- (d) 27.67%
- (e) 21.22%

Q106. Find the product of the highest root of equation A and the smallest root of equation B.

A. $9x^2 - 20x - 21 = 0$

B. $3y^2 - 10y + 8 = 0$

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

Q107. Find the roots of the equation given below, and mark the answer correctly which is the root of this equation among statements given below.

Equation: $5a^2 - 27a + 36 = 0$

I. 3

II. $\frac{14}{5}$

III. $\frac{12}{5}$

IV. 6

- (a) Both II & IV
- (b) Both I & IV
- (c) Both I & III
- (d) Both I & II
- (e) Both III & II

Q108. P and Q are positive integers. Find which of the following statement/s is /are required to find the $\frac{P \times Q}{10}$ is an integer.

Statement I. $P \times Q$ is a multiple of 20.

Statement II. Both P and Q are multiple of five.

- (a) None
- (b) Only I
- (c) Either I or II
- (d) Both I & II together
- (e) Only II

Q109. A, B, and C started a business with a total investment of Rs 15000. The time period of A is 12 months, and the time period of B and C is equal. Find the time period in which B and C invested their investments.

Statement I. The ratio of the investment of A, B and C is 6:4:5 respectively and the profit share of A is Rs 3600 out of total annual profit.

Statement II. The profit share of B is Rs 1200 out of total annual profit.

- (a) None
- (b) Only I
- (c) Either I or II
- (d) Both I & II together
- (e) Only II

Q110. Find the present age of C (in years).

Statement I. B is the second oldest person.

Statement II. The present age of B is three years less than the twice the age of A. The present age of C is five years more than that of B.

- (a) None
- (b) Only I
- (c) Either I or II
- (d) Both I & II together
- (e) Only II

Directions (111-115): What will come in the place of question (?) mark in following number series:

Q111. 1200, 1400, ?, 1600, 1750, 2050

- (a) 700
- (b) 2100
- (c) 1800
- (d) 2000
- (e) 1500

Q112. 108, 118, 98, 128, 88, ?

- (a) 144
- (b) 136
- (c) 132
- (d) 138
- (e) 130

Q113. 27, ?, 28, 93, 69, 286

- (a) 56
- (b) 28
- (c) 34
- (d) 22
- (e) 36

Q114. 8, 18, 57, 232, ?, 6996

- (a) 696
- (b) 464
- (c) 1165
- (d) 1055
- (e) 1240

Q115. 197, 180, ?, 156, 149, 144

- (a) 90
- (b) 135
- (c) 167
- (d) 188
- (e) 174

Directions (116-120): What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value)

Q116. $\frac{(18.12\% \text{ of } 1050.11) \times 1.91}{2.99^2} = ? \times 6.89$

- (a) 6
- (b) 12
- (c) 4
- (d) 2
- (e) 8

Q117. $\frac{1}{18.01} \times 324.09 + 55.011\% \text{ of } 599.9 = ?$

- (a) 355
- (b) 348
- (c) 341
- (d) 377
- (e) 362

Q118. $\sqrt{1521.09} \times 4 + 15.1^2 = ?^2 + (4.01 \times 4.89)$

- (a) 17
- (b) 23
- (c) 21
- (d) 19
- (e) 14

Q119. $(289.90 + 1245.1) \times \frac{1}{5.04} = ? \div 3.99$

- (a) 1988
- (b) 1662
- (c) 1724
- (d) 1445
- (e) 1228

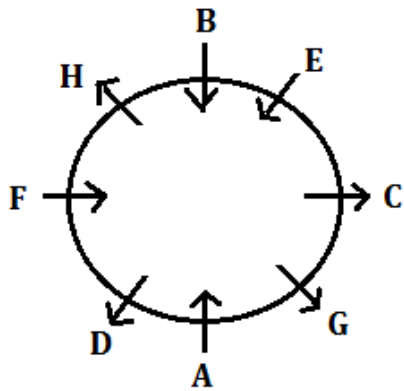
Q120. $\sqrt[3]{3374.88} + 450.012 - ? = 94.99\% \text{ of } 200$

- (a) 290
- (b) 275
- (c) 225
- (d) 250
- (e) 210

Solutions

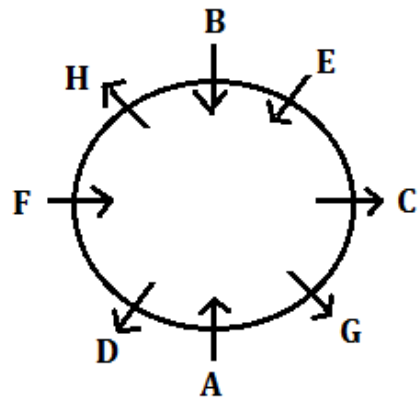
S1. Ans.(d)

Sol. Final arrangement:



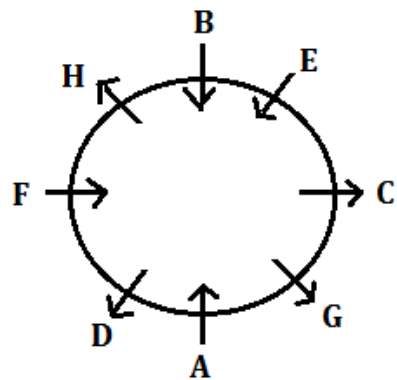
S2. Ans.(a)

Sol. Final arrangement:



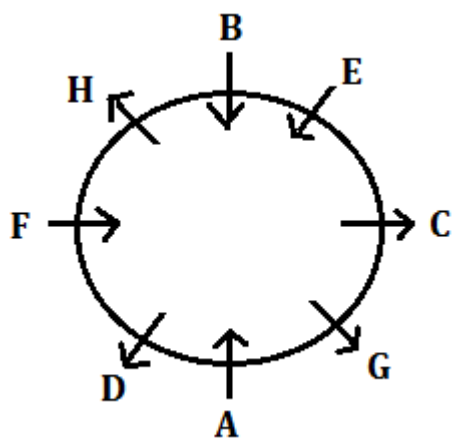
S3. Ans.(b)

Sol. Final arrangement:



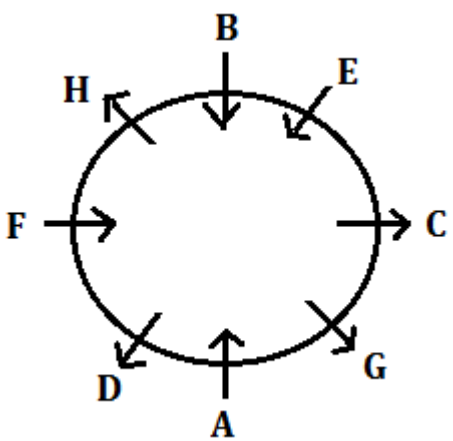
S4. Ans.(c)

Sol. Final arrangement:



S5. Ans.(e)

Sol. Final arrangement:



S6. Ans.(b)

Sol. Final arrangement:

Boxes
Y
T
Q
W
R
U
S
X
V
Z

S7. Ans.(e)

Sol. Final arrangement:

Boxes
Y
T
Q
W
R
U
S
X
V
Z

S8. Ans.(d)

Sol. Final arrangement:

Boxes
Y
T
Q
W
R
U
S
X
V
Z

S9. Ans.(d)

Sol. Final arrangement:

Boxes
Y
T
Q
W
R
U
S
X
V
Z

S10. Ans.(c)**Sol.** PREPARATION

OQFOBQBSJPM

FSJPM

FJMPS

S11. Ans.(c)**Sol.** Final arrangement:

Months	Persons	Writers
March	D	Toru Dutt
April	A	Kiran
May	E	Anand Raj
June	B	Kavita
July	F	Amish
August	C	Amrita
September	G	Kamala Das

S12. Ans.(e)**Sol.** Final arrangement:

Months	Persons	Writers
March	D	Toru Dutt
April	A	Kiran
May	E	Anand Raj
June	B	Kavita
July	F	Amish
August	C	Amrita
September	G	Kamala Das

S13. Ans.(d)**Sol.** Final arrangement:

Months	Persons	Writers
March	D	Toru Dutt
April	A	Kiran
May	E	Anand Raj
June	B	Kavita
July	F	Amish
August	C	Amrita
September	G	Kamala Das

S14. Ans.(b)**Sol.** Final arrangement:

Months	Persons	Writers
March	D	Toru Dutt
April	A	Kiran
May	E	Anand Raj
June	B	Kavita
July	F	Amish
August	C	Amrita
September	G	Kamala Das

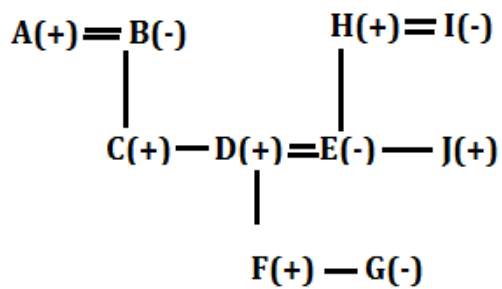
S15. Ans.(c)

Sol. Final arrangement:

Months	Persons	Writers
March	D	Toru Dutt
April	A	Kiran
May	E	Anand Raj
June	B	Kavita
July	F	Amish
August	C	Amrita
September	G	Kamala Das

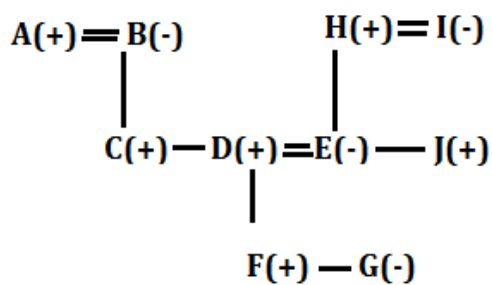
S16. Ans.(c)

Sol. Final arrangement:



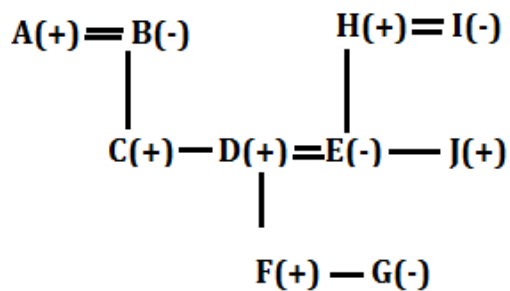
S17. Ans.(b)

Sol. Final arrangement:

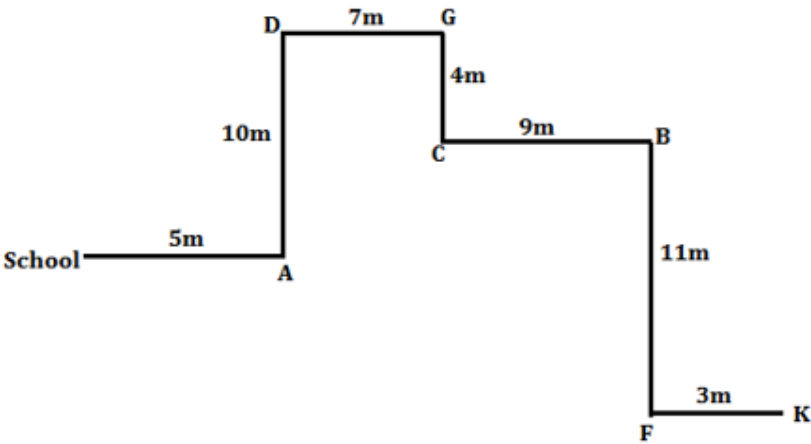


S18. Ans.(d)

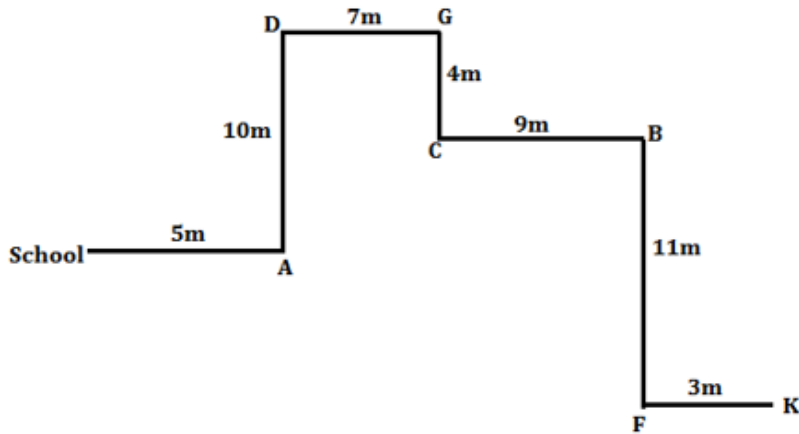
Sol. Final arrangement:



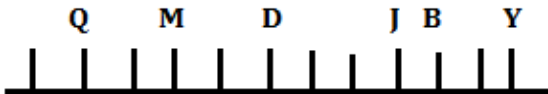
S19. Ans.(b)
 Sol. Final arrangement:



S20. Ans.(c)
 Sol. Final arrangement:



S21. Ans.(c)
 Sol.



S22. Ans.(b)
 Sol. Final arrangement:

Floors	Flat A	Flat B
3	P, Sydney	T, Hobart
2	U, Brisbane	S, Perth
1	R, Melbourne	Q, Canberra

S23. Ans.(c)
 Sol. Final arrangement:

Floors	Flat A	Flat B
3	P, Sydney	T, Hobart
2	U, Brisbane	S, Perth
1	R, Melbourne	Q, Canberra

S24. Ans.(e)

Sol. Final arrangement:

Floors	Flat A	Flat B
3	P, Sydney	T, Hobart
2	U, Brisbane	S, Perth
1	R, Melbourne	Q, Canberra

S25. Ans.(a)

Sol. Final arrangement:

Floors	Flat A	Flat B
3	P, Sydney	T, Hobart
2	U, Brisbane	S, Perth
1	R, Melbourne	Q, Canberra

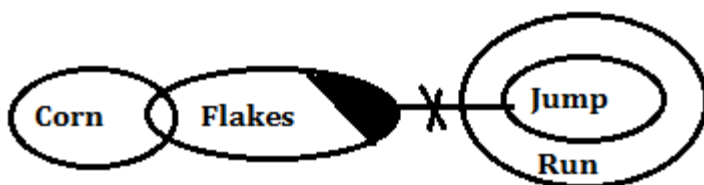
S26. Ans.(e)

Sol. Final arrangement:

Floors	Flat A	Flat B
3	P, Sydney	T, Hobart
2	U, Brisbane	S, Perth
1	R, Melbourne	Q, Canberra

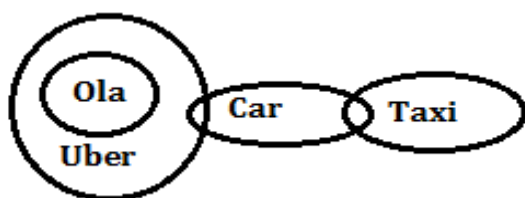
S27. Ans.(a)

Sol.



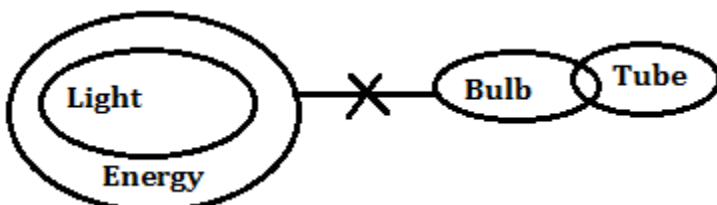
S28. Ans.(b)

Sol.



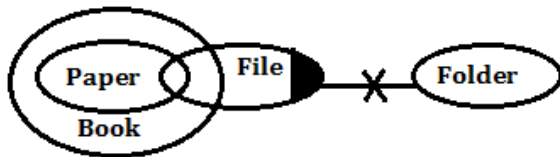
S29. Ans.(a)

Sol.



S30. Ans.(d)

Sol.



S31. Ans.(d)

Sol.

Words	Codes
Required	Ie
For	Wo
Peaceful	pq
Lifestyle	Ru
Any	Al
Necessity	Yt
Happiness	Sk
Never/discrimination	dj/fh
Great/Faithful	Mz/xn

S32. Ans.(e)

Sol.

Words	Codes
Required	Ie
For	Wo
Peaceful	pq
Lifestyle	Ru
Any	Al
Necessity	Yt
Happiness	Sk
Never/discrimination	dj/fh
Great/Faithful	Mz/xn

S33. Ans.(c)

Sol.

Words	Codes
Required	Ie
For	Wo
Peaceful	pq
Lifestyle	Ru
Any	Al
Necessity	Yt
Happiness	Sk
Never/discrimination	dj/fh
Great/Faithful	Mz/xn

S34. Ans.(b)

Sol.

Words	Codes
Required	Ie
For	Wo
Peaceful	pq
Lifestyle	Ru
Any	Al
Necessity	Yt
Happiness	Sk
Never/discrimination	dj/fh
Great/Faithful	Mz/xn

S35. Ans.(c)

Sol.

Words	Codes
Required	Ie
For	Wo
Peaceful	pq
Lifestyle	Ru
Any	Al
Necessity	Yt
Happiness	Sk
Never/discrimination	dj/fh
Great/Faithful	Mz/xn

S36. Ans.(d)

Sol. Final arrangement:

Designations	Persons
General Manager	T
Senior Manager	N
Manager	Q
Deputy Manager	S
Junior Manager	M
Senior Officers	U
Senior Assistant	P
Assistant	O
Junior Assistant	R

S37. Ans.(b)**Sol.** Final arrangement:

Designations	Persons
General Manager	T
Senior Manager	N
Manager	Q
Deputy Manager	S
Junior Manager	M
Senior Officers	U
Senior Assistant	P
Assistant	O
Junior Assistant	R

S38. Ans.(e)**Sol.** Final arrangement:

Designations	Persons
General Manager	T
Senior Manager	N
Manager	Q
Deputy Manager	S
Junior Manager	M
Senior Officers	U
Senior Assistant	P
Assistant	O
Junior Assistant	R

S39. Ans.(d)**Sol.** Final arrangement:

Designations	Persons
General Manager	T
Senior Manager	N
Manager	Q
Deputy Manager	S
Junior Manager	M
Senior Officers	U
Senior Assistant	P
Assistant	O
Junior Assistant	R

S40. Ans.(c)

Sol. Final arrangement:

Designations	Persons
General Manager	T
Senior Manager	N
Manager	Q
Deputy Manager	S
Junior Manager	M
Senior Officers	U
Senior Assistant	P
Assistant	O
Junior Assistant	R

S41. Ans.(e)

Sol. The correct answer is: **"By consuming weaker or sick individuals, preventing overpopulation and ensuring ecosystem balance."**

Explanation: The passage states, **"Sharks, as apex predators, help regulate the population of marine species by preying on weaker or sick individuals. This, in turn, prevents the overpopulation of certain species and ensures biodiversity within the ocean."** This highlights the active role sharks play in maintaining biodiversity and regulating marine populations by targeting specific individuals.

Incorrect options:

(a) **By migrating to different ocean regions, promoting biodiversity across ecosystems.** This option is incorrect as the passage does not mention shark migrations as a primary means of promoting biodiversity. The emphasis is on their role as predators in regulating populations.

(b) **By avoiding interactions with other marine species, maintaining a passive role in the ecosystem.** This option is incorrect because the passage emphasizes that sharks actively contribute to ecosystem balance by preying on specific individuals, indicating an active rather than a passive role.

(c) **By exclusively preying on dominant species, allowing weaker ones to flourish.** This option is incorrect as it contradicts the information in the passage. Sharks are described as preying on weaker or sick individuals, not exclusively on dominant species.

(d) **By primarily feeding on plants, creating a diverse marine environment.** This option is incorrect as sharks are carnivores, not herbivores. The passage does not mention sharks feeding on plants.

S42. Ans.(d)

Sol. The correct answer is: **"Sharks play a vital role in the economic landscape by bolstering ecotourism, drawing in visitors seeking thrilling shark diving adventures."**

Explanation:

The passage explicitly mentions, **"Beyond their ecological significance, sharks also contribute to the economy through ecotourism. Many regions around the world attract tourists eager for shark diving experiences, providing a sustainable source of income for local communities."** This supports the statement that sharks play a role in the economy through ecotourism.

Incorrect options:

(a) **Shark finning, driven by the demand for shark fin soup, is beneficial for the overall health of shark populations.** This option is incorrect as the passage highlights shark finning as a significant threat to shark populations, stating, "Shark finning, driven by the demand for shark fin soup, poses a significant risk to their populations."

(b) **Sharks are exclusive scavengers, relying on dead marine organisms to contribute to biodiversity.** This option is incorrect as the passage describes sharks as apex predators that regulate marine populations by preying on weaker or sick individuals. It does not suggest that sharks are exclusive scavengers relying on dead organisms.

(c) **The economic contribution of sharks to ecotourism has a negative impact on local communities.** This option is incorrect as the passage suggests that ecotourism involving shark diving experiences provides a sustainable source of income for local communities. It emphasizes the positive economic contribution of sharks to ecotourism.

S43. Ans.(e)

Sol. The correct answer is: **"To tackle challenges such as "depletion threats," collaborative initiatives are essential."**

This option correctly aligns with the information in the passage, emphasizing the importance of collaborative efforts to address the challenges and threats faced by sharks.

Explanation:

The passage mentions the importance of conservation initiatives and global collaborations, stating, **"However, sharks face numerous threats, including overfishing and habitat degradation. Shark finning, driven by the demand for shark fin soup, poses a significant risk to their populations. Conservation initiatives and international collaborations are essential to address these challenges and ensure the continued survival of these vital oceanic guardians."**

Incorrect options:

(a) **To increase fishing quotas and support sustainable shark harvesting.** This option is incorrect because the passage emphasizes conservation initiatives, which typically involve measures to limit fishing quotas rather than increasing them.

(b) **To raise awareness about sharks in local communities.** While raising awareness is important, the passage specifically highlights the need for conservation initiatives and global collaborations to address direct threats such as overfishing and habitat degradation.

(c) **To establish shark sanctuaries for exclusive protection.** While establishing sanctuaries might be part of conservation efforts, the passage doesn't specifically mention exclusive protection through sanctuaries. The broader context of conservation initiatives and global collaborations is highlighted.

(d) **To relocate sharks to safer environments with reduced human impact.** The passage doesn't suggest relocation as a primary solution. Instead, it emphasizes addressing threats and challenges through conservation initiatives and global collaborations.

S44. Ans.(c)

Sol. The correct answer is: **"By impeding public support and understanding, effective conservation efforts may be compromised."**

Explanation:

The passage implies that misconceptions about sharks can hinder conservation efforts. It suggests that sharks are often misunderstood and misrepresented, and addressing these misconceptions is crucial for effective conservation. While the passage does not explicitly state that misconceptions impede public support, the idea of sharks being **"often misunderstood and misrepresented"** implies a potential negative impact on public understanding and support.

Incorrect options:

- (a) **By disseminating accurate information and cultivating public awareness.** While disseminating accurate information and cultivating awareness are positive actions, the passage focuses on the existence of misconceptions and the need to address them, suggesting that the dissemination of accurate information is a response to the issue rather than the cause.
- (b) **By cultivating positive attitudes toward sharks and advocating for their protection.** While cultivating positive attitudes is a positive goal, the passage highlights the need to address misconceptions, indicating that misconceptions may lead to negative attitudes that need correction.
- (d) **By instilling a sense of urgency, there is potential for heightened conservation funding.** The passage doesn't mention a direct link between misconceptions and instilling a sense of urgency leading to increased conservation funding. It focuses more on the need to dispel misunderstandings.
- (e) **By exclusively shaping public opinion without impacting efforts in conservation.** The passage does not suggest that shaping public opinion exclusively, without addressing misconceptions, is a viable or effective approach for conservation efforts. It implies that addressing misconceptions is crucial for successful conservation.

S45. Ans.(e)

Sol. The word "formidable" in the passage is used to describe sharks as strong and impressive guardians of the oceans. The antonym for "formidable" is a word that suggests the opposite, which is calm, peaceful, or not causing fear.

Correct option:

- (e) **tranquilizing:** This is the most suitable antonym as "tranquilizing" conveys a sense of calmness and peacefulness, which contrasts with the strength and power implied by "formidable."

Incorrect options:

- (a) **daunting:** intimidating or causing fear and apprehension
- (b) **appalling:** causing shock or horror; extremely unpleasant
- (c) **unnerving:** causing to lose courage or confidence; unsettling
- (d) **perturbing:** causing to be anxious or unsettled; disturbing

S46. Ans.(d)

Sol. The highlighted phrase "proven to be more than" in the original sentence is grammatically incorrect. The correct construction is "**prove to be more than**".

Here's the explanation:

The original sentence is: "In conclusion, sharks proven to be more than fearsome predators, playing indispensable roles in maintaining the delicate balance of healthy marine ecosystems."

The corrected sentence is: "In conclusion, sharks **prove to be more than** fearsome predators, playing indispensable roles in maintaining the delicate balance of healthy marine ecosystems."

The phrase "prove to be" is the correct construction in this context. "Proven" is a past participle and is not the appropriate form to use here. The correct expression should convey an ongoing or general characteristic, and "prove to be" accomplishes that.

The other options do not make sense in this context.

S47. Ans.(c)

Sol. The word that best fits in the blank to convey the intended meaning is: **“dedicated”**.

Explanation:

In the context of the sentence, the word "dedicated" suggests committed and focused efforts towards conservation. It implies that the conservation efforts are intentional, devoted, and specifically directed towards the well-being of sharks and the oceans.

Incorrect options:

(a) **verified**: This word suggests confirming or substantiating information, but it doesn't convey the idea of active and intentional efforts towards conservation.

(b) **represented**: While representation is essential, the word doesn't capture the active and committed nature of conservation efforts as required in the context.

(d) **neglected**: This word means to ignore or pay insufficient attention to, which is the opposite of what is intended in the passage.

(e) **misapplied**: This word implies using something inappropriately or incorrectly, and it doesn't fit the context of intentional and focused conservation efforts.

S48. Ans.(e)

Sol. The incorrect statement based on the information provided in the passage is: **“The passage highlights the frivolous role of sharks in maintaining the balance of marine ecosystems.”**

Explanation:

The passage emphasizes the significant and essential role of sharks in maintaining the balance of marine ecosystems. It does not suggest that sharks have a frivolous or insignificant role. Therefore, option (e) is the incorrect statement.

Correct statements:

(a) **Sharks face numerous threats, including overfishing and habitat degradation.** This statement is correct, as the passage mentions various threats faced by sharks, including overfishing and habitat degradation.

(b) **Shark finning is driven by the demand for shark fin soup, posing a significant risk to shark populations.** This statement is correct; the passage indicates that shark finning is a significant threat to shark populations.

(c) **Conservation initiatives and international collaborations are consequential in addressing the challenges faced by sharks.** This statement is correct; the passage underscores the importance of conservation initiatives and global collaborations in addressing challenges faced by sharks.

(d) **Sharks are often misunderstood and misrepresented in public perception.** This statement is correct, as the passage mentions that sharks are often misunderstood and misrepresented in public perception.

S49. Ans.(b)

Sol. The correct inference about the portrayal of sharks in media and popular culture based on the information provided is: **“Media and popular culture often misrepresent sharks, contributing to common misunderstandings.”**

Explanation:

The passage mentions, **“These majestic creatures, often misunderstood and misrepresented, are key contributors to the health and sustainability of our seas.”** This indicates that sharks are frequently portrayed in a way that leads to misunderstandings, emphasizing the misrepresentation in media and popular culture.

The other options are not supported by the information provided:

(a) **The passage indicates that sharks receive minimal attention in media, making their portrayal inconsequential:** The passage does not indicate that sharks receive minimal attention in media; instead, it suggests they are often misrepresented.

(c) **The passage indicates that sharks are a significant focus in media, but the information provided does not delve into how they are portrayed:** The passage does not delve into how sharks are portrayed in media; it focuses on the fact that they are often misunderstood and misrepresented.

(d) **Sharks are universally feared and consistently portrayed negatively in media, aligning with accurate depictions:** The passage does not suggest that sharks are universally feared and consistently portrayed negatively in media.

(e) **The passage suggests that sharks are portrayed as dominant and aggressive creatures in media, promoting fear and misunderstanding:** While the passage mentions sharks as "formidable guardians," it doesn't explicitly state that they are portrayed as dominant and aggressive in media, although it does imply a negative portrayal.

S50. Ans.(c)

Sol. Going through the given sentences, it can be clearly seen that sentence **(E)** introduces the main subject of the paragraph, which is the impact of automobiles on societies. Next in the arrangement will be sentence **(D)** which expands on the idea introduced in the first sentence, emphasizing the wide-ranging influence of automobiles. This will be then followed by sentence **(B)** which provides specific information about how automobiles revolutionized transportation by making it more accessible and changing travel patterns. Sentence (B) will be then followed by sentence **(C)** that elaborates on the idea introduced in the previous sentence, highlighting the unprecedented accessibility provided by automobiles. Finally, the paragraph will be concluded by statement **(A)** which explains how the advent of cars not only eliminated geographic barriers but also played a role in urbanization by making commuting to city centers possible. So, the correct sequence is **EDBCA**, as each sentence builds upon the previous one to provide a comprehensive overview of the impact of automobiles on societies.

S51. Ans.(e)

Sol. Going through the given sentences, it can be clearly seen that sentence **(E)** introduces the main subject of the paragraph, which is the impact of automobiles on societies. Next in the arrangement will be sentence **(D)** which expands on the idea introduced in the first sentence, emphasizing the wide-ranging influence of automobiles. This will be then followed by sentence **(B)** which provides specific information about how automobiles revolutionized transportation by making it more accessible and changing travel patterns. Sentence (B) will be then followed by sentence **(C)** that elaborates on the idea introduced in the previous sentence, highlighting the unprecedented accessibility provided by automobiles. Finally, the paragraph will be concluded by statement **(A)** which explains how the advent of cars not only eliminated geographic barriers but also played a role in urbanization by making commuting to city centers possible. So, the correct sequence is **EDBCA**, as each sentence builds upon the previous one to provide a comprehensive overview of the impact of automobiles on societies.

S52. Ans.(c)

Sol. Going through the given sentences, it can be clearly seen that sentence **(E)** introduces the main subject of the paragraph, which is the impact of automobiles on societies. Next in the arrangement will be sentence **(D)** which expands on the idea introduced in the first sentence, emphasizing the wide-ranging influence of automobiles. This will be then followed by sentence **(B)** which provides specific information about how automobiles revolutionized transportation by making it more accessible and changing travel patterns. Sentence (B) will be then followed by sentence **(C)** that elaborates on the idea introduced in the previous sentence, highlighting the unprecedented accessibility provided by automobiles. Finally, the paragraph will be concluded by statement **(A)** which explains how the advent of cars not only eliminated geographic barriers but also played a role in urbanization by making commuting to city centers possible. So, the correct sequence is **EDBCA**, as each sentence builds upon the previous one to provide a comprehensive overview of the impact of automobiles on societies.

S53. Ans.(e)

Sol. Going through the given sentences, it can be clearly seen that sentence **(E)** introduces the main subject of the paragraph, which is the impact of automobiles on societies. Next in the arrangement will be sentence **(D)** which expands on the idea introduced in the first sentence, emphasizing the wide-ranging influence of automobiles. This will be then followed by sentence **(B)** which provides specific information about how automobiles revolutionized transportation by making it more accessible and changing travel patterns. Sentence (B) will be then followed by sentence **(C)** that elaborates on the idea introduced in the previous sentence, highlighting the unprecedented accessibility provided by automobiles. Finally, the paragraph will be concluded by statement **(A)** which explains how the advent of cars not only eliminated geographic barriers but also played a role in urbanization by making commuting to city centers possible. So, the correct sequence is **EDBCA**, as each sentence builds upon the previous one to provide a comprehensive overview of the impact of automobiles on societies.

S54. Ans.(c)

Sol. Going through the given sentences, it can be clearly seen that sentence **(E)** introduces the main subject of the paragraph, which is the impact of automobiles on societies. Next in the arrangement will be sentence **(D)** which expands on the idea introduced in the first sentence, emphasizing the wide-ranging influence of automobiles. This will be then followed by sentence **(B)** which provides specific information about how automobiles revolutionized transportation by making it more accessible and changing travel patterns. Sentence (B) will be then followed by sentence **(C)** that elaborates on the idea introduced in the previous sentence, highlighting the unprecedented accessibility provided by automobiles. Finally, the paragraph will be concluded by statement **(A)** which explains how the advent of cars not only eliminated geographic barriers but also played a role in urbanization by making commuting to city centers possible. So, the correct sequence is **EDBCA**, as each sentence builds upon the previous one to provide a comprehensive overview of the impact of automobiles on societies.

S55. Ans.(b)

Sol. The right answer choice is **CADB**. The sentence thus arranged is,

“With data from connected vehicles and infrastructure, traffic management systems can predict and manage traffic patterns more effectively.”

No other rearrangement results in a meaningful sentence.

S56. Ans.(c)

Sol. The right answer choice is **DACB**. The sentence thus arranged is,

“Autonomous vehicles have the potential to perform a wide range of tasks, from simple point-to-point transportation to complex maneuvers in urban environments.”

No other rearrangement results in a meaningful sentence.

S57. Ans.(d)

Sol. The right answer choice is **BDAC**. The sentence thus arranged is,

“A singular letter or number fails to communicate the depth of understanding, the process of learning, and the individualized pace at which students absorb information.”

No other rearrangement results in a meaningful sentence.

S58. Ans.(d)

Sol. The right answer choice is **ACDB**. The sentence thus arranged is,

“Students are challenged to showcase their understanding through real-world applications, ensuring that their education is not confined to the theoretical realm.”

No other rearrangement results in a meaningful sentence.

S59. Ans.(c)

Sol. The right answer choice is **DCBA**. The sentence thus arranged is,

“By acknowledging the profound impact of sleep on physical, mental, and emotional health, individuals can take proactive steps to ensure they get the restorative sleep they need.”

No other rearrangement results in a meaningful sentence.

S60. Ans.(b)

Sol. The error in part (B) is in the word "emerge," which should be "emerging." The correct form is "an emerging field." "Emerging" is the present participle form that correctly matches with the auxiliary verb "is" in the sentence.

Therefore, the corrected sentence would be: "Ecotherapy, also known as nature therapy or green therapy, is an **emerging** field that recognizes and harnesses the healing benefits of the natural world."

S61. Ans.(c)

Sol. The error in part (C) is in the word "were," which should be replaced with "where". The reason for this correction is that "where" is used to indicate a location or a situation in which something happens, which is appropriate in the context of describing how thoughts, emotions, and physical health interact within the unified system of the mind and body.

Therefore, the corrected sentence would be: "The mind and body are intricately connected, operating as a unified system **where** thoughts, emotions, and physical health intertwine."

S62. Ans.(e)

Sol. The given sentence is correct, and there is no error. Therefore, the correct answer is: "**No error**".

S63. Ans.(a)

Sol. The error in the original sentence is in part (A). The word "screening" should be corrected to "screen" to accurately convey the intended meaning. "Screen time" refers to the amount of time a person spends looking at screens, such as those on digital devices.

The corrected sentence is: "Extended **screen** time and constant use of digital devices in a remote work setting can lead to eye strain, headaches, and neck discomfort."

This correction ensures that the sentence accurately addresses the impact of prolonged use of digital screens on eye health and overall well-being.

S64. Ans.(b)

Sol. The error in part (B) is in the word "individual." The correct form should be "individuals" to match the plural form required in the context.

Therefore, the corrected sentence would be: "The natural world provides a serene backdrop that allows **individuals** to escape the pressures of daily life."

S65. Ans.(c)

Sol. Among the highlighted words, "courtesy" and "confined" are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is A-D. The word "**courtesy**" should be replaced with "**confined**" as the given statement is saying that education, which was previously limited to traditional classroom settings, is undergoing a notable transformation, and this transformation is attributed to technological advancements.

So, the correct sentence after rearrangement of words would be, "Education, once **confined (D)** within the walls of traditional classrooms, is now **experiencing (B)** a **significant (C)** transformation, **courtesy (A)** of technological advancements."

S66. Ans.(a)

Sol. Among the highlighted words, all are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is A-B & C-D. The word "**active**" should be replaced with "**outlook**" and "**getting**" should be replaced with "**embracing**" as the given sentence is saying that aging gracefully involves maintaining a positive mindset, remaining physically active, and accepting the natural changes that come with the aging process.

So, the correct sentence after rearrangement of words would be, "Aging gracefully is about maintaining a positive **outlook (B)**, staying **active (A)**, and **embracing (D)** the changes that come with **getting (C)** older."

S67. Ans.(d)

Sol. Among the highlighted words, "response" and "robust" are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is C-D. The word "**response**" should be replaced with "**robust**" as the given statement is saying that proteins serve as essential components for building immune cells, and maintaining sufficient protein intake is crucial for a strong and effective immune response.

So, the correct sentence after rearrangement of words would be, "Proteins are the building **blocks (A)** of immune cells, and adequate protein **intake (B)** is necessary for a **robust (D)** immune **response (C)**."

S68. Ans.(e)

Sol. The highlighted words are at their correct position. Hence, “**no interchange required**” is the correct answer. The given sentence distinguishes between social isolation, which is the measurable condition of having few or no social contacts, and loneliness, which is the personal and subjective experience of feeling isolated or lacking social connections.

S69. Ans.(d)

Sol. Among the highlighted words, all are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is A-B & C-D. The word “**control**” should be replaced with “**technique**” and “**tension**” should be replaced with “**rate**” as the given sentence is saying that biofeedback is a method enabling individuals to observe and regulate physiological functions such as heart rate, blood pressure, and muscle tension.

So, the correct sentence after rearrangement of words would be, “Biofeedback is a **technique (B)** that allows individuals to monitor and **control (A)** physiological functions like heart **rate (D)**, blood pressure, and muscle **tension (C)**.”

S70. Ans.(e)

Sol. The most appropriate word for the blank in this statement is: “**alienate**”.

This word means to make someone feel isolated or estranged, causing them to become unfriendly or indifferent. In the given context, it implies that the person's behavior is causing a rift or distance between them and their colleagues.

So, the completed statement would be: "His constant criticism and dismissive attitude began to **alienate** his colleagues, creating a tense and unfriendly work environment."

Explanation of incorrect options:

Mollify (option a): This means to appease someone's anger or anxiety. It doesn't fit the context because the person's behavior is causing tension, not the other way around.

Reconcile (option b): Reconciliation involves restoring friendly relations, which is opposite to the negative impact mentioned in the sentence.

Pacify (option c): Similar to "mollify," it means to calm or soothe, which doesn't align with the negative consequences in the sentence.

Appease (option d): This word means to satisfy someone's demands. In this context, it doesn't convey the negative impact the person's behavior is having on colleagues.

S71. Ans.(d)

Sol. The most appropriate word for the blank in this statement is: “**query**”.

In this context, a "query" refers to a question or inquiry. The sentence suggests that the librarian was happy to help the student with their research question or inquiry.

So, the completed statement would be: "The librarian was happy to assist the student with their research **query**, helping them find relevant books and resources for their project."

Explanation of incorrect options:

Belief (option a): This word doesn't fit the context of the sentence, as the librarian is assisting with a specific research-related task, not addressing a belief.

Surety (option b): Surety refers to certainty or confidence. While the librarian may be confident in assisting, the word doesn't directly relate to the student's research question.

Endure (option c): Endure means to tolerate or suffer through something difficult. It doesn't convey the librarian's positive and willing assistance.

Tolerate (option e): Tolerate means to endure or allow something. In this context, it doesn't capture the librarian's proactive assistance with the student's research question.

S72. Ans.(e)

Sol. The most appropriate phrase for the blank in this statement is: "**broke down**".

In the context of a car, "broke down" means to stop working suddenly or to suffer a mechanical failure. It fits well with the situation described in the sentence.

So, the completed statement would be: "After a long day of hiking, my car unexpectedly **broke down**, leaving me stranded on the side of the road."

Explanation of incorrect options:

Back down (option a): This phrase means to withdraw or concede in a conflict. It doesn't fit the context of a car malfunction.

Call around (option b): This phrase means to contact various places or people for information. It doesn't convey the idea of a car breaking down.

Back up (option c): This phrase generally means to provide support or assistance. It doesn't fit the context of a car experiencing a mechanical failure.

Blow up (option d): This phrase usually refers to an explosion, and it doesn't accurately describe a car malfunctioning in the given context.

S73. Ans.(c)

Sol. The most appropriate option for the blank in this statement is: "**had taken**".

This construction is used for past perfect tense, indicating an action completed before another past action. In this case, it suggests that she took the lead before some other past event.

So, the completed statement would be: "She **had taken** the lead in the project, showcasing her organizational skills and dedication to its success."

Explanation of incorrect options:

Had took (option a): "Had took" is grammatically incorrect. The correct form is "had taken."

Taken (option b): While "taken" is the past participle form, it doesn't create the correct past perfect tense in this context.

Took (option d): This is the simple past tense, but it doesn't convey the sequence of events as effectively as the past perfect tense does.

Have take (option e): This is not the correct form for past actions. It combines "have" (present perfect) with "take" (present tense), which is not suitable for the past events described in the sentence.

S74. Ans.(b)

Sol. The most appropriate phrase for the blank in this statement is: "**fall through**".

This phrase is used when a plan, agreement, or deal fails to materialize or is abandoned. It fits well with the context of the business deal facing complications.

So, the completed statement would be: "Despite careful planning, the business deal began to **fall through** due to unforeseen complications in the negotiation process."

Explanation of incorrect options:

Get over (option a): This phrase means to recover from something, typically an emotional difficulty. It doesn't convey the idea of a business deal encountering complications.

Hang over (option c): This phrase means to remain unresolved or looming, usually in a negative sense. It doesn't capture the idea of the deal collapsing.

Pass away (option d): This phrase is commonly used for the death of a person, and it doesn't apply to the context of a business deal.

Wipe off (option e): This phrase means to remove or eliminate something. It doesn't convey the idea of a business deal encountering unforeseen complications.

S75. Ans.(c)

Sol. The best possible combinations of synonyms are: “**A-F & B-D**”.

(A) Committed - (F) Attained: Both words suggest a level of dedication or achievement.

(B) Impact - (D) Ramification: "Impact" and "ramification" both convey a sense of consequence or result.

Meanings of the words:

Committed (A): Dedicated and devoted to a cause or activity.

Impact (B): The force or effect of one thing on another; a powerful influence or effect.

Vigilant (C): Watchful, alert, and attentive, especially to potential dangers or problems.

Ramification (D): A consequence or outgrowth resulting from a particular action or situation.

Oblivious (E): Unaware or unconscious of what is happening around; lacking attention or knowledge.

Attained (F): Achieved or reached, often referring to a goal or level of success.

S76. Ans.(d)

Sol. The best possible combination of synonyms is: “**C-E**”.

(C) Naivety - (E) Optimism: Both words describe different aspects of one's outlook on life, where "naivety" suggests innocence or lack of experience, and "optimism" suggests a positive and hopeful outlook.

Meanings of the words:

Cynicism (A): A skeptical or negative view of people's motives and actions, often accompanied by a belief that self-interest is the primary motivation.

Abundance (B): A plentiful or ample quantity of something; a state of having more than enough.

Naivety (C): Lack of experience, sophistication, or worldly knowledge, leading to innocence and a tendency to trust others.

Disrupt (D): To cause disorder or interruption; to interfere with the normal course of something.

Optimism (E): A positive and hopeful outlook on life or a particular situation, expecting favorable outcomes.

Adept (F): Highly skilled or proficient in a particular activity or field; having a natural talent or ability.

S77. Ans.(a)

Sol. The best possible combinations of synonyms are: “**C-E & A-D**”.

(A) Servile - (D) Humble: Both words can suggest a demeanor characterized by a lack of arrogance and a willingness to serve.

(C) Irresolute - (E) Hesitant: Both words describe a lack of decisiveness or firmness in making decisions.

Meanings of the words:

Servile (A): Submissive or obedient to an excessive degree; overly willing to please.

Tractable (B): Easily controlled or guided; responsive to influence.

Irresolute (C): Uncertain or indecisive; lacking determination or firmness.

Humble (D): Showing a modest or low estimate of one's importance; not arrogant.

Hesitant (E): Pausing or delaying in action due to uncertainty or indecision.

Determined (F): Having a firmness of purpose; resolute and unwavering in achieving goals.

S78. Ans.(c)

Sol. The best possible combinations of synonyms are: “**B-F & C-D**”.

(B) Enthrall - (F) Fascinate: Both words mean to capture the attention and interest intensely.

(C) Delectable - (D) Pleasant: Both words suggest something delightful or highly enjoyable.

Meanings of the words:

Gibe (A): A taunting or mocking remark; a jeer.

Enthrall (B): To captivate or charm someone thoroughly; to hold their attention completely.

Delectable (C): Delightful, delicious, or highly enjoyable, especially when referring to food or experiences.

Pleasant (D): Agreeable, enjoyable, or giving a sense of contentment.
Weary (E): Tired or fatigued, often due to physical or mental exertion.
Fascinate (F): To attract and hold attention, drawing interest or admiration.

S79. Ans.(a)

Sol. The best possible combinations of antonyms are: “**C-E & A-D**”.

(A) Blandishment - (D) Denunciation: These words represent contrasting actions, with "blandishment" involving persuasion or flattering speech and "denunciation" involving strong disapproval or condemnation.

(C) Abscond - (E) Endure: While not direct antonyms, "abscond" involves leaving or escaping, and "endure" involves tolerating or withstanding, creating a contrast in terms of movement and perseverance.

Meaning of the words:

Blandishment (A): Flattering speech or actions designed to persuade or influence someone.

Inducing (B): Causing or bringing about a particular effect or action.

Abscond (C): To leave hurriedly and secretly, typically to avoid detection or arrest.

Denunciation (D): Publicly declaring to be wrong or evil; strong disapproval or condemnation.

Endure (E): To tolerate or withstand something unpleasant or difficult.

Fetter (F): A restraint or chain used to limit someone's freedom; to restrict or hinder.

S80. Ans.(a)

Sol. The best possible combination of antonyms is: “**B-D**”.

(B) Pellucid - (D) Tinted: "Pellucid" means clear or transparent, while "tinted" implies having a color or hue added. These words represent a contrast between clarity and the addition of color or opacity.

Opprobrium (A): Harsh criticism or censure; disgrace or infamy resulting from public condemnation.

Pellucid (B): Clear, transparent, or easy to understand.

Torpor (C): A state of physical or mental inactivity; lethargy or sluggishness.

Tinted (D): Colored or shaded, typically by adding a small amount of color.

Puissant (E): Having great power or influence; strong or mighty.

Vertigo (F): A sensation of dizziness or a tilting or spinning movement, often associated with a fear of heights.

S81. Ans.(b)

Sol.

Let the Coupe cars sold by A be $5x$

And the SUV cars sold by B = $5x \times \frac{80}{100} = 4x$

The SUV cars sold by A = $5x + 35$

The Coupe cars sold C = $3x$

Given, $5x + 35 - 4x = 55$

$x = 20$

Sellers	Coupe cars sold	SUV cars sold
A	100	135
B		80
C	60	

Total number of Coupe cars sold by all the sellers = $80 \times 3 = 240$

Coupe cars sold by B = $240 - 100 - 60 = 80$

Required ratio = $135 : 80 = 27 : 16$

S82. Ans.(a)**Sol.**Let the Coupe cars sold by A be $5x$ And the SUV cars sold by B = $5x \times \frac{80}{100} = 4x$ The SUV cars sold by A = $5x+35$ The Coupe cars sold C = $3x$ Given, $5x + 35 - 4x = 55$ $x = 20$

Sellers	Coupe cars sold	SUV cars sold
A	100	135
B		80
C	60	

Total number of SUV cars sold by B and C = $70 \times 2 = 140$ SUV cars sold by C = $140 - 80 = 60$ Total cars (Coupe and SUV) sold by sellers C = $60 + 60 = 120$ **S83. Ans.(e)****Sol.**Let the Coupe cars sold by A be $5x$ And the SUV cars sold by B = $5x \times \frac{80}{100} = 4x$ The SUV cars sold by A = $5x+35$ The Coupe cars sold C = $3x$ Given, $5x + 35 - 4x = 55$ $x = 20$

Sellers	Coupe cars sold	SUV cars sold
A	100	135
B		80
C	60	

Required difference = $100 - 80 = 20$ **S84. Ans.(d)****Sol.**Let the Coupe cars sold by A be $5x$ And the SUV cars sold by B = $5x \times \frac{80}{100} = 4x$ The SUV cars sold by A = $5x+35$ The Coupe cars sold C = $3x$ Given, $5x + 35 - 4x = 55$ $x = 20$

Sellers	Coupe cars sold	SUV cars sold
A	100	135
B		80
C	60	

Total SUV cars manufactured by B = $\frac{80}{25} \times 100 = 320$

Total Coupe cars manufactured by B = $\frac{320}{4} \times 3 = 240$

Unsold SUV cars = $320 - 80 = 240$

Unsold Coupe cars = $290 - 240 = 50$

Coupe cars sold = $240 - 50 = 190$

S85. Ans.(c)

Sol.

Let the Coupe cars sold by A be $5x$

And the SUV cars sold by B = $5x \times \frac{80}{100} = 4x$

The SUV cars sold by A = $5x + 35$

The Coupe cars sold C = $3x$

Given, $5x + 35 - 4x = 55$

$x = 20$

Sellers	Coupe cars sold	SUV cars sold
A	100	135
B		80
C	60	

Coupe cars sold by B = $\frac{60}{3} \times 5 = 100$

SUV cars sold by C = $550 - (100 + 60 + 135 + 80 + 100) = 75$

Required percentage = $\frac{75}{100} \times 100 = 75\%$

S86. Ans.(b)

Sol.

Let the present age of P and R be $7x + 4$ and $4x + 4$ years respectively.

The total present age of P and Q = 42 years

The present age of Q = $8x + 8$ years

ATQ,

$$7x + 4 + 8x + 8 = 42$$

$$15x = 30$$

$$x = 2$$

Present age of P = $7x + 4 = 18$ years

S87. Ans.(b)

Sol.

Let the initial investment of P and Q be Rs P and Rs Q respectively.

ATQ,

$$\frac{P \times 4}{3000 \times 8} = \frac{2}{6}$$

$$P = 2000$$

And

$$\frac{Q \times 12}{3000 \times 8} = \frac{15}{6}$$

$$Q = 5000$$

Required difference = $5000 - 3000 = \text{Rs } 2000$

S88. Ans.(e)

Sol.

Let the quantity of milk and water added be 'x' litres

ATQ,

$$\frac{60 + x}{x} = \frac{100}{40}$$

$$120 + 2x = 5x$$

$$120 = 3x$$

$$40 = x$$

Now, the quantity of milk and water is 100 litres and 40 litres respectively.

The ratio of milk to water = 100 : 40 = 5 : 2

$$\begin{aligned} &= \frac{100 - \frac{5}{7} \times \frac{30}{100} \times 140}{40 - \frac{2}{7} \times \frac{30}{100} \times 140 + \frac{30}{100} \times 140} \\ &= \frac{100 - 30}{40 - 12 + \frac{30}{100} \times 140} \\ &= \frac{70}{70} \\ &= 1:1 \end{aligned}$$

S89. Ans.(a)

Sol.

$$\text{Interest received from scheme P} = \frac{3X \times 15 \times 5}{100} = \text{Rs } 2.25X$$

$$\text{Amount invested in scheme Q} = 3X + 2.25X = \text{Rs } 5.25X$$

$$\text{Interest received from scheme Q} = \frac{5.25X \times 10 \times 4}{100} = \text{Rs } 2.1X$$

ATQ,

$$2.25X - 2.1X = 150$$

$$0.15X = 150$$

$$X = 1000$$

The amount invested in the scheme Q = 5.25X = Rs 5250

S90. Ans.(b)

Sol.

The speed of the boat in still water = 14 + 4 = 18 km/hr

ATQ,

$$\frac{D}{18 + 4} + \frac{D - 6}{14} = 15$$

$$14D + 22D - 132 = 15 \times 22 \times 14$$

$$36D = 4752$$

$$D = 132$$

$$\text{Required time} = \frac{0.5(132) + 6}{18} = 4 \text{ hours}$$

S91. Ans.(c)

Sol.

Average number of professors who teach literature in colleges Q, S and R

$$= \frac{(85-35)+(125-65)+(110-70)}{3} = \frac{50+60+40}{3} = 50$$

Average number of professors who teach commerce in colleges T and P

$$= \frac{40+50}{2} = 45$$

$$\text{Required ratio} = 50:45 = 10:9$$

S92. Ans.(e)

Sol.

Total time taken by all the professors who teach literature in college T

$$= (90 - 40) \times 1.5$$

$$= 50 \times 1.5$$

$$= 75 \text{ hours}$$

ATQ,

$$75 + x \times 40 = 155$$

$$x = 2$$

S93. Ans.(d)

Sol.

Total professors who teach literature in college Q and T

$$= (85 - 35) + (90 - 40)$$

$$= 50 + 50 = 100$$

$$\text{Required percentage} = \frac{100}{125} \times 100 = 80\%$$

S94. Ans.(b)

Sol. Total professors who teach commerce in all five colleges = $50+35+70+65+40=260$

Total professors who teach literature in all five colleges

$$= (70+85+110+125+90)-260$$

$$= 480-260=220$$

$$\text{Required difference} = 260-220=40$$

S95. Ans.(b)

Sol.

Total professors who teach literature in college R and P

$$= (70 - 50) + (110 - 70) = 20 + 40 = 60$$

Total professors who teach commerce in college Q = 35

$$\text{Required percentage} = \frac{60-35}{35} \times 100 = 71.42\% \approx 71\%$$

S96. Ans.(a)

Sol.

ATQ,

$$\frac{X + 150}{(50 - 10) \times \frac{5}{18}} = 25.2$$

$$X + 150 = 280$$

$$X = 130$$

$$\begin{aligned}\text{Required time} &= \frac{X+150+X-10}{50 \times \frac{5}{18}} \\ &= \frac{400 \times 18}{50 \times 5} \\ &= 28.8 \text{ seconds}\end{aligned}$$

S97. Ans.(b)

Sol.

$$\text{A can complete the work} = \frac{4}{20} \times 100 = 20 \text{ days}$$

$$\text{B can complete the work} = \frac{12}{3} \times 7 = 28 \text{ days}$$

Let the total work (LCM of 20 & 28) = 140 units

$$\text{Efficiency of A} = \frac{140}{20} = 7 \text{ units/day}$$

$$\text{Efficiency of B} = \frac{140}{28} = 5 \text{ units/day}$$

$$\text{Efficiency of C} = 5 \times \frac{60}{100} = 3 \text{ units/day}$$

$$\text{Required days} = \frac{140}{7+3} = 14 \text{ days}$$

S98. Ans.(a)

Sol.

$$\text{Marked price of the article} = X \times \frac{180}{100} = Rs \ 1.8X$$

$$\text{Selling price of the article} = 1.8X \times \frac{80}{100} = Rs \ 1.44X$$

ATQ,

$$1.44X - X = 88$$

$$0.44X = 88$$

$$X = 200$$

$$\text{Marked price of the article} = 1.8X = 1.8 \times 200 = Rs \ 360$$

S99. Ans.(b)

Sol.

ATQ,

$$\frac{8}{X + 12 + 8} = \frac{4}{13}$$

$$26 = X + 20$$

$$6 = X$$

$$\text{Required probability} = \frac{6c_1 \times 20c_1}{26c_2} = \frac{6 \times 20}{13 \times 25} = \frac{24}{65}$$

S100. Ans.(e)

Sol.

$$\text{Side of the square} = \frac{60}{4} = 15 \text{ cm}$$

$$\text{Radius of the cylinder} = \frac{80}{100} \times 15 \times \frac{1}{2} = 6 \text{ cm}$$

Let the height of the cylinder be 'h' cm

ATQ,

$$\frac{22}{7} \times 6 \times 6 \times h = 792$$

$$h = 7$$

S101. Ans.(b)**Sol.****For airline P,** Total tickets (business class and economy class) purchased = 500

$$\text{Economy class tickets purchased} = 500 \times \frac{60}{100} = 300$$

$$\text{Business class tickets purchased} = 500 \times \frac{40}{100} = 200$$

Males who purchased economy class tickets = 180

Females who purchased economy class tickets = $300 - 180 = 120$ **For airline Q,** Total tickets (business class and economy class) purchased = 360

$$\text{Economy class tickets purchased} = 360 \times \frac{2}{3} = 240$$

$$\text{Business class tickets purchased} = 360 \times \frac{1}{3} = 120$$

Males who purchased economy class tickets = 150

Females who purchased economy class tickets = $240 - 150 = 90$ **For airline R,** Total tickets (business class and economy class) purchased = 650

$$\text{Economy class tickets purchased} = 650 \times \frac{40}{100} = 260$$

$$\text{Business class tickets purchased} = 650 \times \frac{60}{100} = 390$$

Males who purchased economy class tickets = 140

Females who purchased economy class tickets = $260 - 140 = 120$

Airlines	Total tickets (business class and economy class) purchased	Economy class tickets purchased	Business class tickets purchased	Males who purchased economy class tickets	Females who purchased economy class tickets
P	500	300	200	180	120
Q	360	240	120	150	90
R	650	260	390	140	120

Required ratio = $120 + 200 : 120$ $= 320 : 120$ $= 8 : 3$ **S102. Ans.(e)****Sol.****For airline P,** Total tickets (business class and economy class) purchased = 500

$$\text{Economy class tickets purchased} = 500 \times \frac{60}{100} = 300$$

$$\text{Business class tickets purchased} = 500 \times \frac{40}{100} = 200$$

Males who purchased economy class tickets = 180

Females who purchased economy class tickets = $300 - 180 = 120$ **For airline Q,** Total tickets (business class and economy class) purchased = 360

$$\text{Economy class tickets purchased} = 360 \times \frac{2}{3} = 240$$

$$\text{Business class tickets purchased} = 360 \times \frac{1}{3} = 120$$

$$\text{Males who purchased economy class tickets} = 150$$

$$\text{Females who purchased economy class tickets} = 240 - 150 = 90$$

For airline R, Total tickets (business class and economy class) purchased = 650

$$\text{Economy class tickets purchased} = 650 \times \frac{40}{100} = 260$$

$$\text{Business class tickets purchased} = 650 \times \frac{60}{100} = 390$$

$$\text{Males who purchased economy class tickets} = 140$$

$$\text{Females who purchased economy class tickets} = 260 - 140 = 120$$

Airlines	Total tickets (business class and economy class) purchased	Economy class tickets purchased	Business class tickets purchased	Males who purchased economy class tickets	Females who purchased economy class tickets
P	500	300	200	180	120
Q	360	240	120	150	90
R	650	260	390	140	120

$$\text{Males who purchased business class tickets from airline P} = \frac{80}{100} \times 120 = 96$$

$$\text{Females who purchased business class tickets from airline P} = 200 - 96 = 104$$

$$\text{Required percentage} = \frac{104}{650} \times 100 = 16\%$$

S103. Ans.(d)

Sol.

For airline P, Total tickets (business class and economy class) purchased = 500

$$\text{Economy class tickets purchased} = 500 \times \frac{60}{100} = 300$$

$$\text{Business class tickets purchased} = 500 \times \frac{40}{100} = 200$$

$$\text{Males who purchased economy class tickets} = 180$$

$$\text{Females who purchased economy class tickets} = 300 - 180 = 120$$

For airline Q, Total tickets (business class and economy class) purchased = 360

$$\text{Economy class tickets purchased} = 360 \times \frac{2}{3} = 240$$

$$\text{Business class tickets purchased} = 360 \times \frac{1}{3} = 120$$

$$\text{Males who purchased economy class tickets} = 150$$

$$\text{Females who purchased economy class tickets} = 240 - 150 = 90$$

For airline R, Total tickets (business class and economy class) purchased = 650

$$\text{Economy class tickets purchased} = 650 \times \frac{40}{100} = 260$$

$$\text{Business class tickets purchased} = 650 \times \frac{60}{100} = 390$$

$$\text{Males who purchased economy class tickets} = 140$$

$$\text{Females who purchased economy class tickets} = 260 - 140 = 120$$

Airlines	Total tickets (business class and economy class) purchased	Economy class tickets purchased	Business class tickets purchased	Males who purchased economy class tickets	Females who purchased economy class tickets
P	500	300	200	180	120
Q	360	240	120	150	90
R	650	260	390	140	120

$$\text{Required average} = \frac{120+90+120}{3} = 110$$

S104. Ans.(c)

Sol.

For airline P, Total tickets (business class and economy class) purchased = 500

$$\text{Economy class tickets purchased} = 500 \times \frac{60}{100} = 300$$

$$\text{Business class tickets purchased} = 500 \times \frac{40}{100} = 200$$

Males who purchased economy class tickets = 180

Females who purchased economy class tickets = 300 - 180 = 120

For airline Q, Total tickets (business class and economy class) purchased = 360

$$\text{Economy class tickets purchased} = 360 \times \frac{2}{3} = 240$$

$$\text{Business class tickets purchased} = 360 \times \frac{1}{3} = 120$$

Males who purchased economy class tickets = 150

Females who purchased economy class tickets = 240 - 150 = 90

For airline R, Total tickets (business class and economy class) purchased = 650

$$\text{Economy class tickets purchased} = 650 \times \frac{40}{100} = 260$$

$$\text{Business class tickets purchased} = 650 \times \frac{60}{100} = 390$$

Males who purchased economy class tickets = 140

Females who purchased economy class tickets = 260 - 140 = 120

Airlines	Total tickets (business class and economy class) purchased	Economy class tickets purchased	Business class tickets purchased	Males who purchased economy class tickets	Females who purchased economy class tickets
P	500	300	200	180	120
Q	360	240	120	150	90
R	650	260	390	140	120

$$\text{Required difference} = (200+390)-(180+150)$$

$$=590-330=260$$

S105. Ans.(c)**Sol.****For airline P,** Total tickets (business class and economy class) purchased = 500

$$\text{Economy class tickets purchased} = 500 \times \frac{60}{100} = 300$$

$$\text{Business class tickets purchased} = 500 \times \frac{40}{100} = 200$$

Males who purchased economy class tickets = 180

$$\text{Females who purchased economy class tickets} = 300 - 180 = 120$$

For airline Q, Total tickets (business class and economy class) purchased = 360

$$\text{Economy class tickets purchased} = 360 \times \frac{2}{3} = 240$$

$$\text{Business class tickets purchased} = 360 \times \frac{1}{3} = 120$$

Males who purchased economy class tickets = 150

$$\text{Females who purchased economy class tickets} = 240 - 150 = 90$$

For airline R, Total tickets (business class and economy class) purchased = 650

$$\text{Economy class tickets purchased} = 650 \times \frac{40}{100} = 260$$

$$\text{Business class tickets purchased} = 650 \times \frac{60}{100} = 390$$

Males who purchased economy class tickets = 140

$$\text{Females who purchased economy class tickets} = 260 - 140 = 120$$

Airlines	Total tickets (business class and economy class) purchased	Economy class tickets purchased	Business class tickets purchased	Males who purchased economy class tickets	Females who purchased economy class tickets
P	500	300	200	180	120
Q	360	240	120	150	90
R	650	260	390	140	120

Total males who purchased business class and economy class tickets together from airline R

$$= 320$$

$$\text{Males who purchased business class tickets from airline R} = 320 - 140 = 180$$

$$\text{Females who purchased business class tickets from airline R} = 390 - 180 = 210$$

$$\text{Required percentage} = \frac{360-210}{360} \times 100 = 41.67\%$$

S106. Ans.(b)**Sol.**

$$\text{A. } 9x^2 - 20x - 21 = 0$$

$$9x^2 - 27x + 7x - 21 = 0$$

$$x = 3, -\frac{7}{9}$$

$$\text{B. } 3y^2 - 10y + 8 = 0$$

$$3y^2 - 6y - 4y + 8 = 0$$

$$y = 2, \frac{4}{3}$$

$$\text{Required product} = 3 \times \frac{4}{3} = 4$$

S107. Ans.(c)

Sol.

$$5a^2 - 27a + 36 = 0$$

$$5a^2 - 15a - 12a + 36 = 0$$

$$a = 3, \frac{12}{5}$$

S108. Ans.(b)

Sol.

Statement I. $P \times Q$ is a multiple of 20.

Then it is multiple of 10 and 5 both always so when we divide $P \times Q$ by 10 it always gives and integral value.

$$= \frac{P \times Q}{10} \text{ and the resultant value always comes in integers.}$$

Statement II. Let P be 5, 20, 10, 15

And Q be 15, 10, 5, 10

If $P = 20$ and $Q = 10$

$$= \frac{20 \times 10}{10} = 2$$

2 is an integer

But if $P = 15$ and $Q = 5$

$$= \frac{15 \times 5}{10} = 7.5$$

7.5 is not an integer

S109. Ans.(d)

Sol.

Let the time period of B and C each be x months

Statement I. The investment of A = $15000 \times \frac{6}{15} = \text{Rs } 6000$

The investment of B = $15000 \times \frac{4}{15} = \text{Rs } 4000$

The investment of C = $15000 \times \frac{5}{15} = \text{Rs } 5000$

Statement II. The profit share of B is Rs 1200 out of total annual profit.

Both the statements together

$$\frac{6000 \times 12}{4000 \times x} = \frac{3600}{1200}$$
$$x = 6$$

S110. Ans.(a)

Sol. Statement I. B is the second oldest person.

We can't find anything

Statement II. Let the present age of A be x years

The present age of B = $2x - 3$ years

And the present age of C = $2x - 3 + 5 = 2x + 2$ years

We can't find anything

S111. Ans.(e)

Sol.

The pattern of the series:

1200, 1400, ?=1500, 1600, 1750, 2050

200 100 100 150 300

$\times 0.5$ $\times 1$ $\times 1.5$ $\times 2$

S112. Ans.(d)

Sol.

The pattern of the series:

$$108 + 10 = 118$$

$$118 - 20 = 98$$

$$98 + 30 = 128$$

$$128 - 40 = 88$$

$$88 + 50 = \mathbf{138}$$

S113. Ans.(e)

Sol.

The pattern of the series:

27, ?=36, 28, 93, 69, 286

+9 -8 +65 -24 +217

2^3+1 3^2-1 4^3+1 5^2-1 6^3+1

S114. Ans.(c)

Sol.

The pattern of the series:

$$8 \times 2 + 2 = 18$$

$$18 \times 3 + 3 = 57$$

$$57 \times 4 + 4 = 232$$

$$232 \times 5 + 5 = \mathbf{1165}$$

$$1165 \times 6 + 6 = 6996$$

S115. Ans.(c)

Sol.

The pattern of the series:

$$197 - 17 = 180$$

$$180 - 13 = \mathbf{167}$$

$$167 - 11 = 156$$

$$156 - 7 = 149$$

$$149 - 5 = 144$$

S116. Ans.(a)

Sol.

$$\frac{(18.12\% \text{ of } 1050.11) \times 1.91}{2.99^2} = ? \times 6.89$$

$$\frac{(18\% \text{ of } 1050) \times 2}{9} = ? \times 7$$

$$42 = ? \times 7$$

$$6 = ?$$

S117. Ans.(b)

Sol.

$$\frac{1}{18.01} \times 324.09 + 55.011\% \text{ of } 599.9 = ?$$

$$\frac{1}{18} \times 324 + 55\% \text{ of } 600 = ?$$

$$348 = ?$$

S118. Ans.(d)

Sol.

$$\sqrt{1521.09} \times 4 + 15.1^2 = ?^2 + (4.01 \times 4.89)$$

$$\sqrt{1521} \times 4 + 15^2 = ?^2 + (4 \times 5)$$

$$156 + 225 = ?^2 + 20$$

$$361 = ?^2$$

$$19 = ?$$

S119. Ans.(e)

Sol.

$$(289.90 + 1245.1) \times \frac{1}{5.04} = ? \div 3.99$$

$$(290 + 1245) \times \frac{1}{5} = ? \div 4$$

$$1228 = ?$$

S120. Ans.(b)

Sol.

$$\sqrt[3]{3374.88} + 450.012 - ? = 94.99\% \text{ of } 200$$

$$\sqrt[3]{3375} + 450 - ? = 95\% \text{ of } 200$$

$$465 - ? = 190$$

$$275 = ?$$