Smart, Structured & Syllabus-Aligned Content

RICE EDUCATION



PYQs

BANKING EXAMS

IBPS PO Prelims 2024

PREVIOUS YEAR QUESTIONS

IBPS PO Prelims 2024 Memory Based Paper

Complete 100 Questions & Answers

Reasoning Ability (Q1 - Q35)

Directions (1-5): Study the following information carefully and answer the given questions:
Seven persons A, B, C, D, E, F, and G are sitting around a circular table, facing either towards or away from the centre.
F sits third to the right of A. The immediate neighbours of A face the same direction but opposite to A. A faces the same direction as B but not towards the centre (A and B face outside). One person sits between A and C. D sits 2nd to the left of C. E sits 2nd to the left of G and faces the same direction as G. F and D face opposite direction to E.
[Arrangement:
Clockwise order: A(Out), E(In), C(In), G(In), F(Out), D(Out), B(Out)]

Q1. Who among the following sits second to the right of E?

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

Answer: (e)

Explanation: E faces towards the centre; second to the right of E is G.

Q2. Which among the following pair of persons faces the same direction?

(a) G and C
(b) A and E
(c) E and D
(d) C and F
(e) None of these

Answer: (a)

Explanation: Both G and C face towards the centre.

Q3. How many persons sit between B and F (counting clockwise from F)?

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

Answer: (a)

Explanation: Counting clockwise from F, only D sits between F and B (1 person).

Q4. Four of the following five persons are alike in a certain way based on their seating arrangement. Find the odd one.

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

Answer: (b)

Explanation: F, B, D, and A face away from the centre (outside), whereas C faces towards the centre.

Q5. Which among the following statements is/are true?
I. G faces towards the centre.
II. Both F and A face away from the centre.
III. Two persons sit between C and D when counted clockwise from D.

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

Answer: (c)

Explanation: Statements I and II are true. Statement III is false.

Directions (6-8): Read the given information carefully and answer the related questions:
M is spouse of O and parent of R. O is father-in-law of T who has two children. N is the only son of R who has no sibling. T is mother-in-law of P. V is married to P.
[Family Tree:
Generation 1: O(+) married to M(-)
Generation 2: R(+) married to T(-)
Generation 3: V(-) married to P(+); and N(+) (unmarried)]

Q6. Four of the following five are similar in a certain manner, who among the following is dissimilar to others?

(a) O
(b) R
(c) P
(d) N
(e) V

Answer: (e)

Explanation: O, R, P, and N are male members, while V is female.

Q7. Who among the following is grandmother of V?

(a) T

(b) M

(c) R

(d) O

(e) N

Answer: (b)

Explanation: M is the paternal grandmother of V (mother of R).

Q8. What is the relation of P with respect to R?

(a) Son-in-law

(b) Son

(c) Nephew

(d) Daughter

(e) None of the above

Answer: (a)

Explanation: P is married to R's daughter V, making P the son-in-law of R.

Q9. If we form a four-letter meaningful word by using the third, fourth, fifth and seventh letter from the left end of the word 'EXACTITUDE' (A, C, T, T), then which of the following will be the second letter of the meaningful word thus formed? If more than one word is formed mark Z; if no word is formed, mark X.

(a) C

(b) A

(c) X

(d) T

(e) Z

Answer: (b)

Explanation: The letters are A, C, T, T. The word formed is 'TACT'. The second letter is 'A'.

Directions (10-14): Seven persons born in different years (Base year 2024):

- ***1955: Age 69 = P***
- ***1967: Age 57 = O***
- ***1973: Age 51 = L***
- ***1980: Age 44 = M***
- ***1987: Age 37 = N***
- ***1991: Age 33 = K***
- ***2003: Age 21 = Q***

Year	Age (in 2024)	Person
1955	69	P
1967	57	O
1973	51	L
1980	44	M
1987	37	N
1991	33	K

2003	21	Q

Q10. Who among the following was born in 1967?

(a) N
(b) P
(c) M
(d) O
(e) K

Answer: (d)

Explanation: O was born in 1967.

Q11. What is the age difference between M and Q?

(a) 25 years
(b) 24 years
(c) 23 years
(d) 30 years
(e) 20 years

Answer: (c)

Explanation: Age of M = 44, Age of Q = 21. Difference = 44 - 21 = 23 years.

Q12. M was born in which year?

(a) 1973
(b) 1980
(c) 1987
(d) 1967
(e) 1955

Answer: (b)

Explanation: M was born in 1980.

Q13. What is the total age of K and N?

(a) 84 years
(b) 65 years
(c) 81 years
(d) 58 years
(e) 70 years

Answer: (e)

Explanation: Age of K = 33, Age of N = 37. Total = 33 + 37 = 70 years.

Q14. If P is related to L, N is related to Q, then M is related to _____?

(a) K
(b) O
(c) L
(d) None of these
(e) N

Answer: (a)

Explanation: P (1st) is related to L (3rd). N (5th) is related to Q (7th). M (4th) is related to K (6th).

Directions (15-19): Coded sentences:
'Play the same game.' = 'us ud ut uk'
'Seen in the play.' = 'uk ua ud um'
'The jar is seen.' = 'ud ua uh uw'
'The same game played' = 'ut ud ub us'
Decoded words:
The = ud, Play = uk, Seen = ua, In = um, Same/Game = ut/us, Played = ub, Jar/Is = uh/uw

Q15. What is the code for 'same'?

(a) uh
(b) ut
(c) um
(d) ub
(e) ud

Answer: (b)

Explanation: Code for 'same' is either 'ut' or 'us'. Option (b) ut is given.

Q16. If the code of 'Jar' is 'uh', then the code of 'is played' will be?

(a) ua ud
(b) uw ut
(c) ua us
(d) uw ub
(e) uw ut

Answer: (d)

Explanation: If Jar = uh, then is = uw. Played = ub. So 'is played' = 'uw ub'.

Q17. What is the code of 'play'?

(a) ud
(b) us
(c) uk
(d) ut
(e) um

Answer: (c)

Explanation: Code for 'play' is 'uk'.

Q18. What will be the possible code for 'game is played'?

(a) uh ud ub

(b) ut us ua

(c) us uh ub

(d) ut ub ud

(e) uh uw uk

Answer: (c)

Explanation: Possible code with game (us), is (uh), played (ub) is 'us uh ub'.

Q19. Which word is coded as 'um'?

(a) In

(b) The

(c) Play

(d) Seen

(e) None of the above

Answer: (a)

Explanation: 'um' is the code for 'In'.

Directions (20-24): Six persons A, B, C, D, E, F sit in a row facing north with favourite fruits: [Arrangement from Left to Right:
1. B - Apple
2. E - Orange
3. A - Banana
4. F - Guava
5. C - Mango
6. D - Strawberry]

Position	Person	Fruit
1	B	Apple
2	E	Orange
3	A	Banana
4	F	Guava
5	C	Mango
6	D	Strawberry

Q20. Who among the following likes Guava?

(a) A

(b) D

(c) C

(d) F

(e) None of these

Answer: (d)

Explanation: F likes Guava.

Q21. How many persons sit between C and the one who likes Orange?

(a) Three

(b) Two

(c) One

(d) None

(e) None of these

Answer: (b)

Explanation: Between E (Orange, pos 2) and C (pos 5), two persons sit: A and F.

Q22. Who among the following sits third to the left of the one who likes Guava?

(a) The one who sits immediate left of E

(b) F

(c) The one who likes Orange

(d) A

(e) None of these

Answer: (a)

Explanation: The one who likes Guava is F (pos 4); third to his left is B (pos 1), who sits immediate left of E.

Q23. Which of the following statements is true?

(a) C sits to the immediate left of the one who likes Apple.

(b) The one who likes Mango sits 3rd from the extreme right end.

(c) B likes Orange.

(d) A sits third to the left of D.

(e) None is true

Answer: (d)

Explanation: A (pos 3) sits third to the left of D (pos 6).

Q24. Four of the following five are alike in a certain way and hence form a group. Which does not belong to that group?

(a) B - Banana

(b) F - Orange

(c) E - Guava

(d) A - Apple

(e) C - Mango

Answer: (e)

Explanation: In (a), (b), (c), and (d), the fruit does not belong to that person (offset pairs), whereas C actually likes Mango.

Q25. Find the odd one out among: FBI, PLR, EAH, IEL, RNU

(a) FBI

(b) PLR

(c) EAH

(d) IEL

(e) RNU

Answer: (b)

Explanation: In others, the letter jumps follow a uniform offset; PLR does not match.

Directions (26-30): Six boxes A, B, C, D, E, F of different materials in a stack (Top to Bottom):

- ***Box 6 (Top): D - Brass***
- ***Box 5: C - Jute***
- ***Box 4: F - Iron***
- ***Box 3: B - Leather***
- ***Box 2: A - Wood***
- ***Box 1 (Bottom): E - Steel***

Position	Box	Material
6	D	Brass
5	C	Jute
4	F	Iron
3	B	Leather
2	A	Wood
1	E	Steel

Q26. How many boxes are placed between brass box and box A?

(a) None

(b) Three

(c) One

(d) Two

(e) Four

Answer: (b)

Explanation: Brass box is D (pos 6) and A is pos 2; three boxes (C, F, B) sit between them.

Q27. Which of the following statements is incorrect?

(a) Box E is bottommost box

(b) Box B is leather box

(c) Box D is placed above box F

(d) Box A and B are adjacent to each other

(e) Box C is brass box

Answer: (e)

Explanation: Box C is a Jute box, not a Brass box.

Q28. Box F is of which type?

(a) Iron

(b) Jute

(c) Brass

(d) Steel

(e) Leather

Answer: (a)

Explanation: Box F is made of Iron.

Q29. If box E is related to wood box, box A is related to leather box, then which box is related to jute box?

(a) Box D

(b) Box F

(c) Box B

(d) Box C

(e) None of the above

Answer: (b)

Explanation: The relationship is with the box placed immediately above. Box F is placed immediately below Jute box C.

Q30. As many boxes are placed above box D as below box _____.

(a) Box C

(b) Box B

(c) Box E

(d) Box A

(e) Box F

Answer: (c)

Explanation: Zero boxes are placed above D (top). Zero boxes are placed below E (bottom).

Q31. In the word 'ORGANIZE', how many pairs of letters have the same number of letters between them as in the English alphabetical series?

(a) Four

(b) Two

(c) One

(d) Three

(e) More than four

Answer: (d)

Explanation: There are three such pairs: (G, I), (N, O), and (A, E).

Directions (32-34): Six persons weights:
T(60 kg) > S > P(40 kg) > Q > R/U > U/R (where Q is odd)

Q32. What is the possible weight of S?

(a) 39kg
(b) 34kg
(c) 53kg
(d) 67kg
(e) 62kg

Answer: (c)

Explanation: S is between T (60 kg) and P (40 kg). The only value between 40 and 60 is 53 kg.

Q33. If R's weight is 15 kg less than P and 5 kg more than U, what is the sum of weights of R and U?

(a) 38kg
(b) 45kg
(c) 50kg
(d) 40kg
(e) 35kg

Answer: (b)

Explanation: P = 40 kg => R = 40 - 15 = 25 kg. U = 25 - 5 = 20 kg. Sum = 25 + 20 = 45 kg.

Q34. The number of persons heavier than P is same as the number of persons lighter than _____?

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

Answer: (c)

Explanation: Two persons are heavier than P (T, S). Two persons are lighter than Q (R, U).

Q35. In 'CONVERSION', replace odd positioned letters with their next letter and even positioned letters with their previous letter. How many letters are repeated in the new arrangement?

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

Answer: (e)

Explanation: Resulting sequence is D N O U F Q T H P M, where all 10 letters are distinct (none repeated).

English Language (Q36 - Q65)

Directions (36-43): Read the passage on Emotional Intelligence (EQ) & Gender in Leadership and answer the questions.

EQ is a key driver of workplace success. While overall EQ levels between men and women are similar, research shows differences in sub-competencies: women score higher in empathy and interpersonal relations; men score higher in assertiveness, stress tolerance, and confidence. Socialization reinforces these early differences, creating leadership gaps in hierarchical organizations.

Q36. According to the passage, which of the following statement(s) is/are true?
(I) EQ is primarily shaped by biological factors, with little influence from socialization.
(II) Women tend to excel in empathy, social responsibility, and interpersonal relationships.
(III) Assertiveness and stress tolerance are key emotional competencies where men perform better.

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

Answer: (c)

Explanation: Statements (II) and (III) are directly stated in the text. Statement (I) is false.

Q37. Which of the following statements is incorrect based on the passage?

(a) Men's assertiveness gives them an advantage in leadership positions.
(b) Women's relational strengths are particularly well-suited for competitive, high-pressure roles in leadership.
(c) Boys are encouraged to be decisive and assertive from an early age.
(d) Socialization influences the development of emotional competencies.
(e) EQ skills learned in childhood are reinforced by societal norms.

Answer: (b)

Explanation: The passage states women's relational strengths are better suited for team collaboration, not high-pressure competitive hierarchies.

Q38. According to the passage, which statement(s) is/are true?
(I) Women's EQ strengths are undervalued in hierarchical leadership positions.
(II) Men perform better in teamwork due to confidence.
(III) Societal expectations reinforce emotional competencies developed early in life.

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

Answer: (b)

Explanation: Statements (I) and (III) are supported by the passage.

Q39. Which of the following words has the similar meaning as 'lay' (as in 'lay the foundation')?

(a) Establish

(b) Cover

(c) Remove

(d) Complicate

(e) Dismiss

Answer: (a)

Explanation: 'Lay the foundation' means to establish.

Q40. Based on the passage, which of the following can be logically inferred about gender differences in EQ?

(a) Women are more suitable for leadership than men.

(b) Men's assertiveness is exclusively due to societal conditioning.

(c) Organizations that recognize and value both genders' emotional strengths can create more balanced and effective leadership.

(d) Women are less likely to succeed in competitive environments.

(e) Men and women cannot effectively collaborate.

Answer: (c)

Explanation: Valuing diverse emotional strengths fosters a balanced, inclusive leadership landscape.

Q41. What can be inferred about the role of societal norms in shaping EQ?

(a) Societal norms only affect women.

(b) Boys and girls are socialized equally for empathy and assertiveness.

(c) EQ is fixed and cannot be altered.

(d) Societal expectations reinforce gender-specific emotional skills, leading to men excelling in competitive environments and women in teamwork.

(e) Societal norms have no influence on emotional competencies.

Answer: (d)

Explanation: Societal norms reinforce learned childhood emotional approaches.

Q42. What is the antonym of 'approach'?

(a) Withdraw

(b) Assist

(c) Destroy

(d) Engage

(e) Leverage

Answer: (a)

Explanation: 'Withdraw' is the direct antonym of approach.

Q43. Choose the correct word to fill in the blank ('Boys are often _____ to be competitive, confident, assertive...'):

(a) persuaded
(b) discouraged
(c) encouraged
(d) influenced
(e) restricted

Answer: (c)

Explanation: Boys are socially 'encouraged' to be competitive.

Directions (44-45): Identify the misspelled or inappropriate word.

Q44. The children's favorite activities at the camp was hiking through the forest trails.

(a) favorite
(b) activities
(c) trails
(d) hiking
(e) All are correct

Answer: (b)

Explanation: Subject-verb agreement error: singular verb 'was' requires singular noun 'activity'.

Q45. She felt an overwhelming sense of joe as she watched the sunset, its vibrant colors painting the sky.

(a) watched
(b) vibrant
(c) overwhelming
(d) joe
(e) All are correct

Answer: (d)

Explanation: Misspelled/inappropriate: should be 'joy', not 'joe'.

Directions (46-48): Sentence correctness identification.

Q46. Identify grammatically and contextually correct sentence(s):
(I) The team has worked really hard and deserves all of the praise they are receiving.
(II) She was excited to start her new job, but her nervousness was affecting her confidence.
(III) Each of the students were required to submit their projects before the deadline.

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

Answer: (d)

Explanation: Sentences (I) and (II) are correct. In (III), 'Each' requires singular verb 'was required'.

Q47. Identify grammatically and contextually incorrect sentence(s):
(I) The manager, along with her team, were discussing the upcoming project in great detail.
(II) If I would have known about the event earlier, I would have definitely attended it.
(III) The city has experienced a significant drop in crime rates, largely due to new safety measures.

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

Answer: (d)

Explanation: Sentences (I) and (II) are incorrect ('manager... was discussing'; 'If I had known').

Q48. Identify grammatically and contextually correct sentence(s):
(I) If you would have studied harder, you could have passed the exam.
(II) Despite the rain, the outdoor event went on as planned, attracting a large crowd.
(III) The company's profits have been steadily increasing due to its new marketing strategy.

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

Answer: (b)

Explanation: Sentences (II) and (III) are correct. Sentence (I) incorrectly uses 'would have' instead of 'had studied'.

Directions (49-53): Rearrange the sentences to form a coherent paragraph:
(A) The government has therefore employed authorities to conduct fumigations, as the situation continues to escalate.
(B) Despite efforts to contain the situation, the bed bugs have infested public transport, popular tourist destinations, and even airports.
(C) Paris, a global tourist destination, has recently faced a troubling resurgence of bed bugs across various neighborhoods and popular attractions in the city.
(D) This outbreak has raised concerns not only among residents but also tourists, many of whom worry that the pests could travel with them back to their countries.
(E) Experts suggest that international travel and dense urban environments have facilitated the rapid spread of this infestation.
(F) Furthermore, bed bugs have become a common sight in metros and airports, making control

measures even more challenging.
[Proper Sequence: C -> D -> E -> B -> F -> A]

Q49. Which of the following should be the FIRST sentence after rearrangement?

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

Answer: (e)

Explanation: Sentence C introduces the Paris bed bug outbreak.

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

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

Answer: (d)

Explanation: Sentence D details the concerns raised among residents and tourists.

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

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

Answer: (b)

Explanation: Sentence E provides expert explanations for the rapid spread.

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

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

Answer: (a)

Explanation: Sentence B notes the failure to contain the infestation across public areas.

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

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

Answer: (c)

Explanation: Sentence A concludes with government fumigation measures.

Q54. Identify the grammatically and contextually correct sentence:
(I) The children was playing in the garden while their parents watched.
(II) By the time we arrived, the concert had already started.
(III) Neither of the candidates were prepared for the final interview.

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

Answer: (e)

Explanation: Only (II) is correct. In (I), plural 'children' takes 'were'; in (III), 'Neither' takes singular 'was prepared'.

Q55. Identify the grammatically and contextually incorrect sentence(s):
(I) The students who have completed the assignments on time will receive extra credit from their instructor.
(II) Despite of the heavy traffic, we managed to reach the airport on time for our flight.
(III) She has been working on the project since six months, but there is still a lot left to do.

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

Answer: (b)

Explanation: Sentences (II) and (III) are incorrect ('Despite of' is wrong; 'for six months' is required).

Directions (56-57): Identify the misspelled or inappropriate word.

Q56. When the crown on the head of the newest king, all of the people at the coronation went wild with priase.

(a) priase
(b) newest
(c) crown
(d) coronation
(e) All are correct

Answer: (a)

Explanation: Misspelled: 'priase' should be 'praise'.

Q57. Because we did nothing but sit in the hotel room, our vaccation was vapid and uninteresting.

(a) vaccation
(b) vapid
(c) hotel
(d) uninteresting
(e) All are correct

Answer: (a)

Explanation: Misspelled: 'vaccation' should be 'vacation'.

Directions (58-62): Fill in the blanks with the most appropriate word.

Q58. She decided to donate a portion of her earnings to the local _____ that supports underprivileged children.

(a) atrocity
(b) clarity
(c) calamity
(d) acidity
(e) charity

Answer: (e)

Explanation: Donations are given to a 'charity.'

Q59. The art gallery hosted an exhibition featuring works from some of the most _____ artists in the world.

(a) ignorant
(b) latent
(c) removable
(d) prestigious
(e) religious

Answer: (d)

Explanation: 'Prestigious' (renowned, respected) fits the context of celebrated artists.

Q60. The book had a/an _____ impact on her perspective, changing the way she viewed the world.

(a) profound
(b) tripping
(c) encroach
(d) oversea
(e) accurately

Answer: (a)

Explanation: 'Profound' means deep and far-reaching.

Q61. The sudden power outage threw the entire city into _____ with traffic jams and confused crowds everywhere.

(a) concur
(b) chaos
(c) growth
(d) peculiar
(e) nascent

Answer: (b)

Explanation: 'Chaos' denotes complete disorder and confusion.

Q62. Once the switch was flipped, the machine was _____ and began operating smoothly.

(a) weltered
(b) invoked
(c) activated
(d) captivated
(e) deactivated

Answer: (c)

Explanation: Flipping a power switch causes a machine to be 'activated.'

Q63. Identify the sentence(s) where the phrasal verb 'COME UP' is used correctly:
(A) The issue of parking spaces came up during the meeting, and we spent an hour discussing it.
(B) An interesting opportunity came up, so I decided to apply for the job.
(C) The sun will come up in the west tomorrow, according to the weather report.

(a) Both A & B
(b) Only C
(c) Both B & C
(d) Only A
(e) Both A & C

Answer: (a)

Explanation: Sentences (A) and (B) use 'come up' correctly (arise/become available). (C) is factually impossible.

Q64. Identify the sentence(s) where the phrasal verb 'GET ACROSS' is used INCORRECTLY:
(A) They got across the mountain by taking a shortcut through the forest.

(B) The presenter used charts and examples to get across the complex data in a clear manner.
(C) The speaker used visuals to get across his point effectively to the audience.

(a) Both A & B
(b) Only C
(c) Both B & C
(d) Only A
(e) Both A & C

Answer: (d)

Explanation: Sentence (A) uses 'got across' incorrectly for physically traversing a mountain. 'Get across' means conveying an idea clearly.

Q65. Identify the sentence(s) where the phrasal verb 'CHECK OUT' is used correctly:
(A) Before you leave the hotel, don't forget to check out at the reception desk.
(B) I'm going to the library to check out some books for my research paper.
(C) You should check out that new restaurant downtown; I've heard great things about it.

(a) Only A
(b) Both A & C
(c) Both B & C
(d) All A, B, C
(e) Only B

Answer: (d)

Explanation: All three sentences (A, B, C) demonstrate standard usages of 'check out.'

Quantitative Aptitude (Q66 - Q100)

Directions (66-70): Bikes and Cars sold in four cities (K, L, M, N):
- ***City K: Bikes (X+Y) = 328, Bikes Y = 210 => Bikes X = 118; Cars (X+Y) = 450***
- ***City L: Bikes (X+Y) = 560, Bikes Y = 320 => Bikes X = 240; Cars (X+Y) = 980***
- ***City M: Bikes (X+Y) = 440, Bikes Y = 90 => Bikes X = 350; Cars (X+Y) = 730***
- ***City N: Bikes (X+Y) = 620, Bikes Y = 195 => Bikes X = 425; Cars (X+Y) = 350***

City	Bikes X	Bikes Y	Total Cars (X+Y)
K	118	210	450
L	240	320	980
M	350	90	730
N	425	195	350

Q66. If cars sold by Y in city K are 2/5th of bikes sold by Y in city K, find the difference between cars sold by X in city K and bikes sold by X in city M.

(a) 22
(b) 16
(c) 23
(d) 15
(e) 18

Answer: (b)

Explanation: Cars by Y in K = (2/5) × 210 = 84. Cars by X in K = 450 - 84 = 366. Bikes by X in M = 350. Difference = 366 - 350 = 16.

Q67. Cars sold by X in city N is 20% less than bikes sold by X in city M. Find ratio of cars sold by Y in city N to bikes sold by Y in city K.

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

Answer: (e)

Explanation: Cars by X in N = 0.8 × 350 = 280. Cars by Y in N = 350 - 280 = 70. Bikes by Y in K = 210. Ratio = 70 : 210 = 1 : 3.

Q68. Ratio of cars sold by X to Y in city L is 3:4. Cars sold by X in city L is how many more/less than bikes sold by Y in city N?

(a) 225
(b) 210
(c) 195
(d) 145
(e) 125

Answer: (a)

Explanation: Cars by X in L = (3/7) × 980 = 420. Bikes by Y in N = 195. Difference = 420 - 195 = 225.

Q69. Bikes sold by X in city M is what percentage more or less than total cars sold by X and Y together in city N?

(a) 2%
(b) 0%
(c) 5%
(d) 10%
(e) 7.5%

Answer: (b)

Explanation: Bikes by X in M = 350. Cars in N = 350. Percentage difference = 0%.

Q70. Cars sold by Y in city M is 200 more than bikes sold by X in city L. Cars sold by X in city M is what percentage of total cars sold in city K?

(a) 64%
(b) 58%
(c) 42%
(d) 79%
(e) 82%

Answer: (a)

Explanation: Cars by Y in M = 240 + 200 = 440. Cars by X in M = 730 - 440 = 290. Percentage of 450 = (290 / 450) × 100 ≈ 64.44% ≈ 64%.

Directions (71-75): Total items sold by five shops in 2021, 2022, and 2023 (where 2023 is 20% more than 2021):

- ***Shop A: 2021 = 1800, 2022 = 2100, 2023 = 2160***
- ***Shop B: 2021 = 1260, 2022 = 1620, 2023 = 1512***
- ***Shop C: 2021 = 900, 2022 = 1080, 2023 = 1080***
- ***Shop D: 2021 = 1560, 2022 = 600, 2023 = 1872***
- ***Shop E: 2021 = 840, 2022 = 1440, 2023 = 1008***

Shop	Year 2021	Year 2022	Year 2023
A	1800	2100	2160
B	1260	1620	1512
C	900	1080	1080
D	1560	600	1872
E	840	1440	1008

Q71. Total items sold by D in 2023 is what percentage less than items sold by A in 2022 (approx.)?

(a) 23%

(b) 19%

(c) 11%

(d) 15%

(e) 8%

Answer: (c)

Explanation: Sold by D in 2023 = 1872. Sold by A in 2022 = 2100. Percentage less = ((2100 - 1872) / 2100) × 100 ≈ 10.85% ≈ 11%.

Q72. Find the ratio of total items sold by B in 2022 to items sold by C in 2023.

(a) 1:2

(b) 2:3

(c) 3:2

(d) 3:4

(e) 4:5

Answer: (c)

Explanation: B in 2022 = 1620. C in 2023 = 1080. Ratio = 1620 : 1080 = 3 : 2.

Q73. Find the difference between total items sold by D and E together in 2023 and items sold by A and B together in 2021.

(a) 180

(b) 194

(c) 150

(d) 158

(e) 100

Answer: (a)

Explanation: A + B in 2021 = 1800 + 1260 = 3060. D + E in 2023 = 1872 + 1008 = 2880. Difference = 3060 - 2880 = 180.

Q74. Find the sum of total items sold by A, B and C in 2023.

(a) 4235
(b) 4450
(c) 4980
(d) 4752
(e) 4898

Answer: (d)

Explanation: Sum = 2160 + 1512 + 1080 = 4752.

Q75. Total items sold by B and D together in 2023 is how many more or less than items sold by A in all three years together?

(a) 2676
(b) 2194
(c) 2150
(d) 2058
(e) 2100

Answer: (a)

Explanation: A all three years = 1800 + 2100 + 2160 = 6060. B + D in 2023 = 1512 + 1872 = 3384. Difference = 6060 - 3384 = 2676.

Directions (76-80): Find the wrong number in the given series.

Q76. Find the wrong number: 188, 177, 199, 166, 210, 150, 221

(a) 188
(b) 221
(c) 150
(d) 199
(e) 210

Answer: (c)

Explanation: Pattern: -11, +22, -33, +44, -55, +66 => 210 - 55 = 155 (not 150).

Q77. Find the wrong number: 18225, 6075, 2025, 675, 220, 75, 25

(a) 25
(b) 75
(c) 220
(d) 18225
(e) 6075

Answer: (c)

Explanation: Each term is divided by 3: 675 ÷ 3 = 225 (not 220).

Q78. Find the wrong number: 210, 228, 250, 274, 302, 332, 365

(a) 302
(b) 332
(c) 210
(d) 250
(e) 365

Answer: (e)

Explanation: Differences are +18, +22, +24, +28, +30, +34 => 332 + 34 = 366 (not 365).

Q79. Find the wrong number: 304, 300, 316, 332, 364, 428, 556

(a) 300
(b) 316
(c) 304
(d) 332
(e) 428

Answer: (a)

Explanation: Differences are powers of 2 (+4, +8, +16, +32, +64, +128): 304 + 4 = 308 (not 300).

Q80. Find the wrong number: 2194, 2175, 2152, 2123, 2092, 2054, 2014

(a) 2014
(b) 2054
(c) 2194
(d) 2092
(e) 2123

Answer: (b)

Explanation: Differences are prime numbers (-19, -23, -29, -31, -37, -41) => 2092 - 37 = 2055 (not 2054).

Directions (81-85): What approximate value will come in place of question mark (?)?

Q81. 5.03% of 39.89 + 10.09% of 450 = ?

(a) 44
(b) 47
(c) 39
(d) 54
(e) 59

Answer: (b)

Explanation: $0.05 \times 40 + 0.10 \times 450 = 2 + 45 = 47$.

Q82. $\sqrt{840.99} + (14/19)$ of $361.09 = ? \times 4.88$

(a) 59
(b) 53
(c) 65
(d) 50
(e) 43

Answer: (a)

Explanation: $29 + 14 \times 19 = 29 + 266 = 295$. $295 / 5 = 59$.

Q83. $12.21^3 - 108.02 = 24.90\%$ of $399 + ?$

(a) 1090
(b) 1120
(c) 1240
(d) 1520
(e) 1130

Answer: (d)

Explanation: $1728 - 108 = 1620$. $1620 = 100 + ? \Rightarrow ? = 1520$.

Q84. $(32.08\%$ of $599 / 1.99) \div (1/4) = ?^2 - 16$

(a) 29
(b) 24
(c) 17
(d) 12
(e) 20

Answer: (e)

Explanation: $(192 / 2) \times 4 = 96 \times 4 = 384$. $384 = ?^2 - 16 \Rightarrow ?^2 = 400 \Rightarrow ? = 20$.

Q85. $(256.03 / 15.99 \div (3.98 / 1.99)) = ? \div 12.01$

(a) 91
(b) 96
(c) 103
(d) 87
(e) 67

Answer: (b)

Explanation: $(16 \div 2) = ? / 12 \Rightarrow 8 \times 12 = 96$.

Arithmetic Word Problems & Data Comparison

Q86. A, B and C together do a work in 4 days. B alone takes 24 days. C is 300% more efficient than B. Find the difference between days taken by A and C alone.

(a) 18
(b) 12
(c) 11
(d) 15
(e) 20

Answer: (a)

Explanation: Total work = 24 units. A+B+C = 6 units/day. B = 1 unit/day. C = 4 units/day. A = 6 - 5 = 1 unit/day. Time A = 24 days, Time C = 6 days. Difference = 24 - 6 = 18 days.

Q87. Present age P to Q four years ago is 2:1. R's age is average of P and Q. 16 years ago, R was 10. Find sum of present ages of P, Q, and R.

(a) 66 years
(b) 78 years
(c) 82 years
(d) 99 years
(e) 102 years

Answer: (b)

Explanation: R = 26. P = 32, Q = 20. Sum = 32 + 20 + 26 = 78 years.

Q88. Rs 12,200 is partly invested in scheme A at 10% CI for 2 years and scheme B at 10% SI for 4 years. If both interests are equal, find investment in scheme A.

(a) Rs.4350
(b) Rs.4340
(c) Rs.4200
(d) Rs.8000
(e) Rs.8500

Answer: (d)

Explanation: 0.21X = 0.40(12200 - X) => 0.61X = 4880 => X = Rs 8,000.

Q89. A, B, C start a business with Rs 12000, 12000, and 8000. B invests for 'x' months, C leaves 'x' months before a year. If A gets Rs 1800 out of Rs 3200 total profit, find x.

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

Answer: (d)

Explanation: Ratio A:B:C = 36 : 3x : 2(12 - x). 36 / (60 + x) = 1800 / 3200 = 9/16 => x = 4.

Q90. Train A crosses 230m platform in 29s. Train B (450m long) crosses 150m platform in 24s. Train B crosses train A in 160s running in same direction. Find time for train A to cross 50m bridge.

(a) 16 seconds
(b) 22 seconds
(c) 20 seconds
(d) 17 seconds
(e) 25 seconds

Answer: (c)

Explanation: Speed of B = 600/24 = 25 m/s. Length of A = 350m, Speed of A = 20 m/s. Time to cross 50m bridge = (350 + 50) / 20 = 20 seconds.

Q91. Ratio of still water speed to upstream speed is 4:3. Boat covers 560 km in 7 hours downstream. Find time to cover 480 km upstream.

(a) 8 hours
(b) 9 hours
(c) 7 hours
(d) 5 hours
(e) 10 hours

Answer: (e)

Explanation: Downstream = 80 km/h => 5m = 80 => m = 16. Upstream speed = 3m = 48 km/h. Time = 480 / 48 = 10 hours.

Q92. An article is marked 60% above CP. Allowing 4d% discount gives 28% profit. If discount is 6d%, find profit/loss %.

(a) 12%
(b) 15%
(c) 18%
(d) 20%
(e) 24%

Answer: (a)

Explanation: $1.6 \times (1 - 4d/100) = 1.28 \Rightarrow 4d = 20\% \Rightarrow d = 5\%$. New discount = 6d% = 30%. New SP = $1.6 \times 0.7 = 1.12$ CP => 12% profit.

Q93. Milk to water in mixture A is 9:5. Milk in B is 20% more than A, water in A is 25% more than B. If sum of water in both is 54 L, find quantity of mixture A.

(a) 72 liters
(b) 64 liters
(c) 84 liters
(d) 75 liters
(e) 80 liters

Answer: (c)

Explanation: Water in A = 5k, water in B = 4k. 9k = 54 => k = 6. Mixture A = (9 + 5) × 6 = 84 liters.

Q94. Average weight of 24 boys and 6 girls is 40 kg. Excluding girls reduces class average by 4 kg. Find average weight of girls.

(a) 52 kg
(b) 56 kg
(c) 58 kg
(d) 55 kg
(e) 51 kg

Answer: (b)

Explanation: Total = 1200 kg. Boys total = 24 × 36 = 864 kg. Girls total = 1200 - 864 = 336 kg. Average = 336 / 6 = 56 kg.

Q95. Ratio of area of square to rectangle is 3:2. Side of square equals length of rectangle. Perimeter of rectangle is 40m. Find breadth of rectangle.

(a) 12 m
(b) 8 m
(c) 10 m
(d) 15 m
(e) 17 m

Answer: (b)

Explanation: $l^2 / (l \times b) = 3/2 \Rightarrow l/b = 3/2$. $2(3x + 2x) = 40 \Rightarrow 10x = 40 \Rightarrow x = 4$. Breadth = 2 × 4 = 8 meters.

Directions (96-100): Games won and lost by A, B, C:

- ***Person A: Won = 120, Lost = 160***
- ***Person B: Won = 50, Lost = 80***
- ***Person C: Won = 96, Lost = 120***

Person	Games Won	Games Lost
A	120	160
B	50	80
C	96	120

Q96. Find the ratio of total games won by A to total games lost by C.

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

Answer: (b)

Explanation: Won by A = 120. Lost by C = 120. Ratio = 120 : 120 = 1 : 1.

Q97. Total games lost by B is what percentage of total games won by A?

(a) 66.67%

(b) 32.5%

(c) 8.33%

(d) 62.5%

(e) None of these

Answer: (a)

Explanation: Lost by B = 80. Won by A = 120. Percentage = (80 / 120) × 100 = 66.67%.

Q98. Find the sum of total games lost by B and A.

(a) 210

(b) 220

(c) 250

(d) 320

(e) 240

Answer: (e)

Explanation: Lost by B = 80, Lost by A = 160. Sum = 160 + 80 = 240.

Q99. If games lost by D are 25% more than A and games won by D are 5 more than half of C's wins, find difference between games lost and won by D.

(a) 147

(b) 149

(c) 142

(d) 139

(e) 129

Answer: (a)

Explanation: Losses of D = 1.25 × 160 = 200. Wins of D = (96 / 2) + 5 = 53. Difference = 200 - 53 = 147.

Q100. Find the average of total games won by A & B and total games lost by C.

(a) 98.25

(b) 91.67

(c) 83.33

(d) 96.67

(e) 129

Answer: (d)

Explanation: Average = (120 + 50 + 120) / 3 = 290 / 3 = 96.67.

***