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Clerk Prelims

Model Paper Set 02

Time Allowed: 60 Minutes,

Total Questions: 100

Date: _____

Student Details

Name: _____

No of Questions Attempt: _____

Start Time: _____

End Time: _____

Test Rules & Scoring

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| -0.25 for incorrect responses.

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ENGLISH LANGUAGE TEST

30 Questions | 20 Minutes

DIRECTIONS (Q. 1 - 8): Read the following passage carefully and answer the questions given below.

The advent of Twenty20 (T20) cricket has undeniably revolutionized the global cricketing landscape. Originally introduced by the England and Wales Cricket Board (ECB) in 2003 to boost declining domestic attendances, this condensed, fast-paced format quickly captivated audiences worldwide. Unlike traditional Test cricket, which demands endurance, patience, and classical technique over five days, T20 is a high-octane spectacle lasting barely three hours. This brevity aligns perfectly with the modern consumer's shortened attention span and hunger for instant entertainment.

The financial windfall from T20 leagues, most notably the Indian Premier League (IPL), has transformed cricketers into global superstars with unprecedented earning potential. However, purists argue that the proliferation of T20 leagues is detrimental to the longer formats of the game. They contend that the emphasis on aggressive ball-striking and unorthodox shot-making compromises foundational defensive techniques, leaving modern batsmen vulnerable in swinging or spinning Test match conditions. Despite these concerns, cricket boards are increasingly prioritizing T20s to ensure

financial sustainability, creating a challenging balancing act between preserving the sport's heritage and embracing its lucrative future.

1. What was the primary reason for the ECB to introduce T20 cricket in 2003?

- (A) To replace Test cricket entirely
- (B) To create a global franchise league like the IPL
- (C) To counter the declining stadium attendances in domestic games
- (D) To help batsmen practice aggressive shot-making
- (E) To reduce the physical strain on fast bowlers

2. According to the passage, why does T20 cricket appeal so strongly to the modern audience?

- (A) It relies heavily on classical defensive techniques.
- (B) Its short duration fits well with reduced attention spans.
- (C) It is the only format where players can earn money.
- (D) It is played strictly under traditional rules.
- (E) It guarantees a result without the possibility of a draw.

3. What is the main concern of cricket "purists" regarding T20 cricket?

- (A) It does not generate enough revenue for smaller nations.
- (B) The matches often take too long to finish.
- (C) Bowlers are becoming too dominant in modern cricket.

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(D) The focus on aggressive batting damages classical techniques needed for Test cricket.

(E) It prevents players from participating in domestic tournaments.

4. Choose the word which is most nearly the SAME in meaning to the word 'PROLIFERATION' as used in the passage.

- (A) Reduction
- (B) Expansion
- (C) Stagnation
- (D) Criticism
- (E) Destruction

5. Choose the word which is most nearly the OPPOSITE in meaning to the word 'DETRIMENTAL' as used in the passage.

- (A) Damaging
- (B) Obscure
- (C) Prevalent
- (D) Hostile
- (E) Beneficial

6. Which of the following statements is TRUE according to the passage?

- (A) Test cricket is currently more financially lucrative than T20 cricket.
- (B) The ECB introduced T20 cricket in 2007.
- (C) T20 leagues have drastically increased the earning potential of cricketers.
- (D) Modern batsmen perform exceptionally well in swinging conditions due to T20 practice.

(E) Cricket boards are slowly abandoning T20 cricket to save the game's heritage.

7. What is the author's tone in the passage?

- (A) Objective and analytical
- (B) Highly critical and pessimistic
- (C) Overly enthusiastic and biased
- (D) Sarcastic and mocking
- (E) Nostalgic and sorrowful

8. What does the phrase "balancing act" refer to in the context of the final sentence?

- (A) Players managing their physical fitness across three formats.
- (B) The struggle to maintain the sport's traditions while securing its financial future.
- (C) Bowlers trying to balance their run-up in fast-paced matches.
- (D) The equal distribution of money among all international cricket boards.
- (E) Fans dividing their time between watching Tests and T20s.

DIRECTIONS (Q. 9 - 13): Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is (E).

9. Having won the crucial toss on a visibly green track, (A) / the decision to bat first (B) / backfired spectacularly when the (C) / opening pair collapsed within three overs. (D) / No Error (E)

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A) D
D) E

B) C
E) A

C) B

A) A
D) B

B) D
E) C

C) E

10. It is absolutely imperative that the newly appointed head coach (A) / emphasizes on the importance of maintaining (B) / peak physical fitness throughout the (C) / grueling domestic cricket season. (D) / No Error (E)

A) D
D) E

B) C
E) A

C) B

11. Had the middle-order batsmen showed (A) / a bit more resilience against the turning ball, (B) / the touring team could have easily chased down (C) / the imposing target set by the hosts. (D) / No Error (E)

A) A
D) B

B) D
E) C

C) E

12. The disciplinary committee, comprising of several former international match referees, (A) / has been tasked with overhauling the code of conduct (B) / to ensure a steady enforcement of rules (C) / during high-pressure franchise tournaments. (D) / No Error (E)

A) D
D) E

B) C
E) A

C) B

13. The veteran fast bowler, whom many pundits believed (A) / was past his prime, delivered a mesmerizing spell (B) / that systematically dismantled the opposition's (C) / highly vaunted batting lineup. (D) / No Error (E)

DIRECTIONS (Q. 14 - 17): In each of the following sentences, four words are given in bold. Two of these words may need to be swapped to make the sentence grammatically and contextually correct. Find the correct pair of words.

14. The **paralyzed** (A) storm caused **massive** (B) damage to the stadium's **infrastructure** (C), leaving the entire tournament schedule **severe** (D).

(A) A-D

(B) B-C

(C) A-C

(D) B-D

(E) No swap required

15. To **achieve** (A) success in international sports, a player must **dedication** (B) constant **effort** (C) and unwavering **maintain** (D).

(A) A-B

(B) A-C

(C) B-D

(D) C-D

(E) No swap required

16. The initial **investigation** (A) revealed that the **suspect** (B) had deliberately tried to **evidence** (C) the crucial **destroy** (D).

(A) A-B

(B) C-D

(C) B-C

(D) A-D

(E) No swap required

17. The management has **decided** (A) to **implement** (B) the revised fitness **policy** (C) without any further **delay** (D).

(A) A-C

(B) B-D

(C) A-B

(D) C-D

(E) No swap required

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DIRECTIONS (Q. 18 - 21): In the following sentences, a phrase is highlighted. Choose the correct alternative to replace the highlighted phrase to make the sentence grammatically correct. If no replacement is required, choose (E).

18. The young athlete is *too smart that he will not* fall for such a simple deceptive tactic by the opposition.

(A) too smart that he does not (B) smart enough that he will not (C) too smart to (D) so smart to (E) No replacement required

A) A B) D C) E
D) B E) C

19. I *am knowing* the head coach since we played college cricket together in 2010. (A) have known (B) know (C) had been knowing (D) was knowing (E) No replacement required

A) C B) E C) B
D) D E) A

20. If the weather *was* clearer, the captain would have chosen to bat first without hesitation. (A) is (B) were (C) has been (D) had been (E) No replacement required

A) D B) C C) B
D) E E) A

21. The disciplinary committee *have submitted their* final report regarding the player's on-field altercation. (A) has submitted its (B) has submitted their (C) have submitted its (D) are

submitting their (E) No replacement required

A) A B) D C) E
D) B E) C

DIRECTIONS (Q. 22 - 25): Choose the most appropriate word to fill in the blank and make the sentence contextually meaningful.

22. The sudden retirement announcement of the star player caused a _____ of shock among the global fanbase.

(A) drop (B) trace
(C) wave (D) moment
(E) spark

23. Despite his _____ training schedule, he always finds time to interact with his fans outside the stadium.

(A) hectic (B) lazy
(C) sparse (D) flexible
(E) optional

24. The artist's portrait of the famous cricketer is renowned for its _____ attention to detail.

(A) careless (B) superficial
(C) random (D) meticulous
(E) fragile

25. She could not _____ the tears from falling when she watched her country lift the World Cup trophy.

(A) push (B) restrain
(C) allow (D) initiate
(E) express

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DIRECTIONS (Q. 26 - 30): Rearrange the following five sentences (A, B, C, D, and E) in a proper sequence to form a meaningful paragraph, and then answer the questions given below.

(A) This fascination eventually led to the invention of the telescope in the 17th century. (B) Observations made during this time fundamentally changed our understanding of the universe. (C) Today, modern space observatories continue this legacy by peering deeper into the cosmos. (D) With the telescope, astronomers could finally observe celestial bodies in greater detail. (E) For centuries, human beings have looked up at the night sky with immense curiosity.

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

- A) D B) C C) B
D) E E) A

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

- A) A B) D C) E
D) B E) C

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

- A) C B) E C) B
D) D E) A

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

- A) D B) C C) B
D) E E) A

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

- A) A B) D C) E
D) B E) C

REASONING ABILITY

35 Questions | 20 Minutes

Directions (Q. 1-3): Study the following information carefully and answer the questions given below:

A certain number of persons are sitting in a linear row facing North. F sits at the extreme left end of the row. A sits third to the right of F. Only two persons sit between A and B, who sits to the right of A. C sits fourth to the right of B. E sits exactly between B and C. The number of persons sitting to the right of C is one more than the number of persons sitting between A and B. D sits at the extreme right end of the row.

1. How many persons are sitting in the linear row?

- (A) 12 (B) 13 (C) 14
(D) 15 (E) 16

2. What is the position of E with respect to the right end of the row?

- (A) 5th (B) 6th (C) 7th
(D) 4th (E) 8th

3. How many persons are sitting between F and B?

- (A) Three (B) Four (C) Five
(D) Six (E) Seven

Directions (Q. 4-8): Study the following information carefully and answer the questions given below:

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Eight persons (A, B, C, D, E, F, G, and H) attend a seminar on two different dates, 5th and 12th, of four different months—March, April, May, and June of the same year. Only one person attends the seminar on each date. C attends the seminar on an odd-numbered date in a month having 31 days. Only one person attends between C and D. B attends immediately before D. Three persons attend the seminar between B and E. H attends immediately before E. The number of persons attending before H is the same as the number of persons attending after A. F attends on an even-numbered date but not in the month of May. G attends before F but after E.

4. Who among the following attends the seminar on 12th April?

- (A) B (B) D (C) E
(D) A (E) H

5. How many persons attend the seminar between D and G?

- (A) One (B) Two (C) Three
(D) Four (E) None

6. Who attends the seminar immediately after H?

- (A) F (B) E (C) G
(D) A (E) C

7. Four of the following five are alike in a certain way based on their given arrangement and hence form a group. Which of the following does not belong to that group?

- (A) C (B) D (C) H
(D) G (E) F

8. Which of the following statements is true regarding B?

- (A) B attends in the month of April.
(B) B attends on an odd-numbered date.
(C) Three persons attend between B and G.
(D) B attends immediately after C.
(E) No person attends before B.

Directions (Q. 9-13): Study the following information carefully and answer the questions given below:

Eight persons A, B, C, D, E, F, G, and H live on eight different floors of a building. The lowermost floor is numbered 1, the floor above it is numbered 2, and so on until the topmost floor is numbered 8.

A lives on the topmost floor. Only two persons live between A and E. F lives immediately below E. Only one person lives between F and G, who lives below F. The number of persons living between E and G is the same as the number of persons living between C and F. C lives somewhere above B, and B lives immediately below C. D lives on one of the floors below H.

9. Who lives exactly on the 6th floor?

- (A) C (B) A (C) B
(D) H (E) G

10. How many persons live between A and F?

- (A) One (B) Two (C) Three
(D) Four (E) None

11. Who lives immediately above H?

- (A) E (B) G (C) F
(D) B (E) D

12. If C is related to E, and B is related to F in a certain way, then following the

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same pattern, H is related to which of the following?

- (A) G (B) D (C) B
(D) E (E) A

13. Four of the following five are alike in a certain way based on their floor numbers and hence form a group. Which is the one that does not belong to that group?

- (A) A (B) B (C) F
(D) G (E) E

Directions (Q. 14-18): Study the following information carefully and answer the questions given below:

Eight boxes (A, B, C, D, E, F, G, and H) are placed one above another in a single stack, but not necessarily in the same order. The bottom-most position is numbered 1 and the topmost position is numbered 8.

Box E is placed at the topmost position. Three boxes are placed between Box E and Box D. Only one box is placed between Box D and Box B. The number of boxes placed below Box B is the same as the number of boxes placed above Box A, and A is placed in the top half of the stack. Box G is placed immediately above Box H. Box C is placed somewhere above Box F.

14. Which box is placed at the bottom-most position?

- (A) B (B) H (C) F
(D) C (E) D

15. How many boxes are placed between Box A and Box D?

- (A) None (B) One (C) Two
(D) Three (E) Four

16. Which box is placed immediately above Box C?

- (A) D (B) B (C) H
(D) F (E) A

17. What is the position of Box G with respect to Box A?

- (A) Immediately above
(B) Immediately below
(C) Two places below
(D) Three places below
(E) None of these

18. Four of the following five are alike based on their placement and form a group. Which one does not belong to that group?

- (A) E (B) G (C) H
(D) D (E) B

Directions (Q. 19-21): Study the following information carefully and answer the questions given below:

Point A is 5m north of Point B. Point C is 8m east of Point B. Point D is 4m south of Point C. Point E is 4m west of Point D. Point F is 9m north of Point E.

19. What is the shortest distance between Point A and Point F?

- (A) 3m (B) 4m (C) 5m
(D) 8m (E) 9m

20. In which direction is Point C with respect to Point F?

- (A) North-East (B) North-West
(C) South-East (D) South-West
(E) South

21. If Point G is exactly halfway between Point B and Point C, then what is the direction of Point G with respect to Point A?

- (A) East (B) West (C) South-East

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(D) North-East

(E) South-West

Directions (Q. 22-24): In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer.

22. Statements: $P \geq Q = R > S \leq T$

Conclusions:

I. $P > S$

II. $Q \leq T$

(A) Only conclusion I is true

(B) Only conclusion II is true

(C) Either conclusion I or II is true

(D) Neither conclusion I nor II is true

(E) Both conclusions I and II are true

23. Statements: $A < B \leq C = D ; E \geq D < F$

Conclusions:

I. $A < E$

II. $C < F$

(A) Only conclusion I is true

(B) Only conclusion II is true

(C) Either conclusion I or II is true

(D) Neither conclusion I nor II is true

(E) Both conclusions I and II are true

24. Statements: $M = N \geq O > P ; O < Q \leq R$

Conclusions:

I. $M > R$

II. $P < Q$

(A) Only conclusion I is true

(B) Only conclusion II is true

(C) Either conclusion I or II is true

(D) Neither conclusion I nor II is true

(E) Both conclusions I and II are true

Directions (Q. 25-27): In each question, a set of statements is followed by some conclusions. You must take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

25. Statements:

Only a few Cats are Dogs.

All Dogs are Rats.

No Rat is a Bat.

Conclusions:

I. Some Cats are Rats.

II. All Cats can never be Bats.

(A) Only conclusion I follows

(B) Only conclusion II follows

(C) Either conclusion I or II follows

(D) Neither conclusion I nor II follows

(E) Both conclusions I and II follow

26. Statements:

All Pens are Pencils.

Only a few Pencils are Erasers.

Some Erasers are Markers.

Conclusions:

I. All Pens being Erasers is a possibility.

II. Some Pencils are Markers.

(A) Only conclusion I follows

(B) Only conclusion II follows

(C) Either conclusion I or II follows

(D) Neither conclusion I nor II follows

(E) Both conclusions I and II follow

27. Statements:

Only a few Laptops are Mobiles.

No Mobile is a Tablet.

All Tablets are Desktops.

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Conclusions:

- I. Some Laptops are not Tablets.
- II. Some Desktops are not Mobiles.
- (A) Only conclusion I follows
- (B) Only conclusion II follows
- (C) Either conclusion I or II follows
- (D) Neither conclusion I nor II follows
- (E) Both conclusions I and II follow

Directions (Q. 28-32): Study the following alphanumeric sequence carefully and answer the questions given below:

M 5 \$ P @ 8 K # 4 T % J 9 2 & E W 3 * Q 7 ! A 1

28. How many such numbers are there in the given series, each of which is immediately preceded by a symbol and immediately followed by a consonant?

- (A) None (B) One (C) Two
- (D) Three (E) More than three

29. Which of the following element is 6th to the right of the 14th element from the left end?

- (A) W (B) * (C) Q
- (D) 7 (E) 3

30. If all the symbols are dropped from the series, which element will be 8th from the right end?

- (A) 2 (B) 9 (C) J
- (D) E (E) W

31. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?

- (A) M \$ 5 (B) P 8 @ (C) 4 % T
- (D) 9 & 2 (E) W Q 3

32. What is the product of all the numbers that lie strictly between 'K' and 'E' in the given series?

- (A) 36 (B) 72 (C) 18
- (D) 54 (E) 48

33. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?

- (A) D G J (B) K N Q (C) P S V
- (D) U X Z (E) C F I

34. If 2 is subtracted from each even digit and 1 is added to each odd digit in the number '8536247', what will be the sum of the digits which are 3rd from the left end and 2nd from the right end of the newly formed number?

- (A) 4 (B) 5 (C) 6
- (D) 7 (E) 8

35. How many pairs of letters are there in the word "TOURISM" which have as many letters between them in the word as they have in the English alphabetical series (both forward and backward directions)?

- (A) None (B) One (C) Two
- (D) Three (E) More than three

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NUMERICAL ABILITY

35 Questions | 20 Minutes

Directions (1-10): What will come in the place of the question mark (?) in the following simplification questions?

Q1. $3990 \div 57 + \sqrt{361} + \sqrt{324} = ?^2 \times 535 \div 729 \times 5$

- a) 6.2 b) 4.5
c) 5.6 d) 6.4
e) None of these

Q2. $[(2211 \div 67)^2 - 21 \times \sqrt{256}] \div (549 - 213) = ? \div 1344$

- a) 3052 b) 3012
c) 3042 d) 3062
e) 3032

Q3. $784 \div \sqrt{196} + 25.6 \div 2 \times 1.5 \div \sqrt{8100} \times 3 = ?$

- a) 66.64 b) 76.54
b) c) 56.64 d) 72.64 e) 76.46

Q4. $?^2 \% \text{ of } 11.11 \% \text{ of } \sqrt{256} \times 1872 \div \sqrt{2704} = 81$

- a) 9.75 b) 10.50
c) 11.25 d) 12.75
e) None of these

Q5. $3 \frac{4}{7} \div [(62 \% \text{ of } 620 \times 7) \div 2401] = ?^2$

- a) $\frac{25}{61}$ b) $(\frac{35}{62}) \times \sqrt{10}$
c) $(\frac{32}{75}) \times \sqrt{10}$ d) $\frac{52}{83}$
e) None of these

Q6. $(6561 \times 117) \div 108 \times \sqrt{36} = 3^{?+4} \div 216^{\frac{1}{3}} \times 39$

- a) 10 b) 6
c) 4 d) 8 e) 2

Q7. $13 \frac{7}{5} \div (512^{\frac{1}{3}} \div \sqrt{1225}) [\frac{2}{4} + \frac{3}{7} (\frac{17}{3} \div \frac{68}{10})]$

- a) 65 b) 45
c) 74 d) 84
e) None of these

Q8. $[(2^{12} - 3^9) \times (3^6 - 9^3)] \text{ zero} + 11^2 = ?$

- a) 12251 b) 17781
c) 91641 d) 72361
e) None of these

Q9. $(37.5 \times 22 \times 48) \div 2^4 - ? = 11^3$

- a) 1234 b) 1144
c) 1284 d) 1384
e) 1674

10. $(47 + 47 + 47 + 47 + 47 + 47) \times 5 \times (47 + 47) \times 6 \div (47 \times 2) = 47 \times ?$

- a) 47×180 b) 47×90 c) 90
d) None of these e) 124

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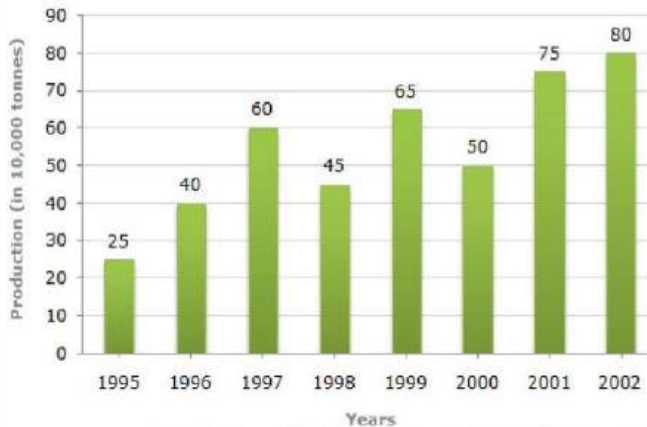
No 8, 24 blocks, Near Amrutha clinic, Manasi Nagar, Mysuru, Karnataka 570029

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Directions to Solve Q11 – Q15

Study the bar chart and answer the question based on it. Production of Fertilizers by a Company (in 1000 tonnes) Over the Years



Q11. What was the percentage decline in the production of fertilizers from 1997 to 1998?

- a) $33\frac{1}{3}\%$ b) 20%
c) 25% d) 21%

Q12. The average production of 1996 and 1997 was exactly equal to the average production of which of the following pairs of years?

- a) 2000 and 2001
b) 1999 and 2000
c) 1998 and 2000
d) 1995 and 2001

Q13. What was the percentage increase in production of fertilizers in 2002 compared to that in 1995?

- a) 320% b) 300%
c) 220% d) 200%

Q14. In which year was the percentage increase in production as compared to the previous year the maximum?

- a) 2002 b) 2001
c) 1997 d) 1996

Q15. In how many of the given years was the production of fertilizers more than the average production of the given years?

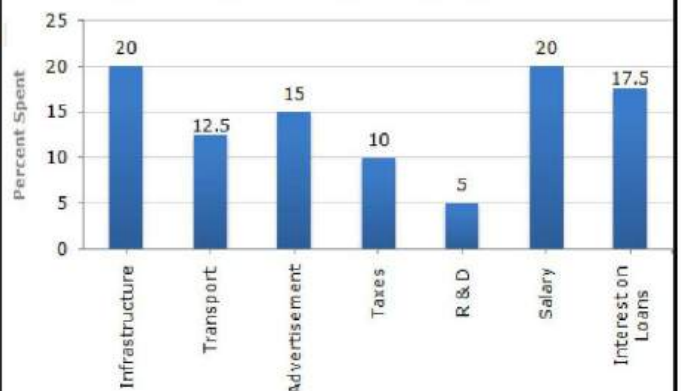
- a) 1 b) 2
c) 3 d) 4

Bar Chart - II

Directions to Solve (Q16 – Q20)

The bar graph given below shows the percentage distribution of the total expenditures of a company under various expense heads during 2003.

Percentage Distribution of Total Expenditure of a Company



Q16. The total amount of expenditures of the company is how many times of expenditure on research and development?

- a) 27 b) 20
c) 18 d) 8

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Q17. If the expenditure on advertisement is 2.10 crores then the difference between the expenditure on transport and taxes is?

- a) Rs. 1.25 crores b) Rs. 95 lakhs
c) Rs. 65 lakhs d) Rs. 35 lakhs

Q18. What is the ratio of the total expenditure on infrastructure and transport to the total expenditure on taxes and interest on loans?

- a) 5:4 b) 8:7
c) 9:7 d) 13:11

Q19. If the interest on loans amounted to Rs. 2.45 crores then the total amount of expenditure on advertisement, taxes and research and development is?

- a) Rs. 7 crores b) Rs. 5.4 crores
c) Rs. 4.2 crores d) Rs. 3 crores

Q20. The expenditure on the interest on loans is by what percent more than the expenditure on transport?

- a) 5% b) 10%
c) 20% d) 40%

Directions (Q21-35): Solve the following arithmetic word problems.

Q21. P, Q, and R can complete a piece of work in 20, 24, and 30 days respectively. P works on all days, while Q and R work on alternate days starting with Q on the first day. After 6 days, P leaves the work and is replaced by S, who is 50% more efficient than R. S continues the pattern working with Q and R on alternate days. Find the total number of days taken to complete the entire work.

- A) 10 $\frac{3}{5}$ days
B) 12 $\frac{1}{5}$ days
C) 11 $\frac{2}{5}$ days
D) 13 $\frac{4}{5}$ days
E) 9 $\frac{2}{5}$ days

Q22. A shopkeeper marks up his goods by 60% above the cost price and gives two successive discounts of $x\%$ and $(x - 10)\%$. If his overall profit percentage in this transaction is 29.2%, find the selling price of the article if the cost price is Rs. 2500 and the shopkeeper offers only a single flat discount of $2x\%$ on the marked price.

- A) Rs. 2800
B) Rs. 2600
C) Rs. 2400
D) Rs. 3000
E) Rs. 3200

Q23. Alloy A contains Copper and Zinc in the ratio 3:7. Alloy B contains Zinc and Tin in the ratio 2:3. Alloy C contains Copper and Tin in the ratio 1:2. If these three alloys are mixed together in the ratio of 1:2:3 by weight respectively, what will be the percentage of Zinc in the newly formed mixture?

- A) 30%
B) 25%
C) 33.33%
D) 20%
E) 22.5%

Q24. A train crosses a 300m long platform in 30 seconds and crosses a man walking in the same direction at a speed of 6 km/hr in 18 seconds. Find the time taken by this train to cross another train of length 225m running in the

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opposite direction at a speed of 54 km/hr.

- A) 12 seconds
- B) 14 seconds
- C) 18 seconds
- D) 16 seconds
- E) 20 seconds

Q25. A bag contains 'x' red balls, 'x + 2' black balls, and '2x - 2' white balls. If two balls are drawn at random from the bag without replacement, the probability that both balls are red is $\frac{1}{22}$. Find the probability that if 3 balls are drawn at random, exactly 2 of them are black.

- A) $\frac{5}{22}$
- B) $\frac{9}{22}$
- C) $\frac{3}{11}$
- D) $\frac{4}{11}$
- E) $\frac{7}{22}$

Q26. A sum of Rs. 40,000 is invested in Scheme A offering R% p.a. Simple Interest for 3 years, and an equal sum is invested in Scheme B offering (R + 5)% p.a. Compound Interest (compounded annually) for 2 years. If the total interest earned from Scheme B is Rs. 1,476 more than the total interest earned from Scheme A, find the value of R.

- A) 10%
- B) 12%
- C) 8%
- D) 15%
- E) 5%

7. A boat covers a certain distance 'D' upstream in 10 hours. It covers the same distance 'D' downstream in 6 hours. If the speed of the stream was increased by 3 km/hr, the downstream journey for

the same distance would take exactly 4.8 hours. Find the distance 'D'.

- A) 72 km
- B) 96 km
- C) 60 km
- D) 84 km
- E) 108 km

Q28. P and Q enter into a partnership with initial capitals in the ratio 5:8. After 4 months, P withdraws 20% of his capital and Q adds 25% to his capital. After 4 more months, R joins them with a capital equal to the initial capital of Q. P is an active partner and receives 15% of the total profit for managing the business. If at the end of the year, P's total share (including his management fee) is Rs. 46,000, find the total profit earned by the business.

- A) Rs. 1,47,000
- B) Rs. 1,12,500
- C) Rs. 1,28,000
- D) Rs. 1,22,500
- E) Rs. 1,35,000

Q29. A solid metallic cylinder of base radius 14 cm and height 20 cm is completely melted to form a certain number of identical solid spheres of radius 3.5 cm and identical solid cones of base radius 7 cm and height 6 cm. If the number of spheres formed is 36 more than the number of cones formed, find the total number of cones formed. (Use $\pi = \frac{22}{7}$)

- A) 10
- B) 14
- C) 16
- D) 18
- E) 12

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Q30. Twelve years ago, the ratio of a father's age to the sum of the ages of his three children was 3:1. The present age of the father is exactly equal to the sum of the present ages of his three children. If the present ages of the three children are consecutive even numbers, what is the present age of the eldest child?

- A) 16 years
- B) 18 years
- C) 20 years
- D) 22 years
- E) 24 years

Q31. From a group of 6 men and 5 women, a committee of 5 people is to be formed. What is the probability that the committee contains at least 3 men, given the strict condition that one specific man 'A' must always be included in the committee?

- A) 29/42
- B) 31/42
- C) 25/42
- D) 17/21
- E) 11/14

Q32. A tank has an inlet pipe A which can fill it in 10 hours. There is an outlet pipe B at the very bottom which can empty the full tank in 40 hours. A third pipe C is attached exactly at half the height of the tank, which can empty the upper half of the tank in 15 hours. If all three pipes are opened simultaneously when the tank is completely empty, how long will it take to fill the tank to the top?

- A) 16 hours 30 minutes
- B) 20 hours 10 minutes
- C) 19 hours 40 minutes

- D) 18 hours 40 minutes
- E) 18 hours 20 minutes

Q33. A dishonest retailer marks up his goods by 20% above the cost price and gives a discount of 10% to his customers. Furthermore, he cheats by using a faulty balance that reads 1000 grams for 800 grams while selling to customers, and reads 1000 grams for 1100 grams while buying from the wholesaler. What is his overall profit percentage?

- A) 48.5%
- B) 42.5%
- C) 52.5%
- D) 44.5%
- E) 46.5%

Q34. Ravi walks up a moving up-escalator and takes 40 steps to reach the top. Suraj runs up the same escalator, taking 3 steps for every 2 steps Ravi takes, and reaches the top in 50 steps. How many steps would be visible on the escalator if it were stationary?

- A) 80
- B) 120
- C) 100
- D) 90
- E) 150

Q35. A rectangular hall has its length, breadth, and height in the ratio of 5:4:3 respectively. The total cost of painting its four walls at the rate of Rs. 15 per square meter is Rs. 8100. Find the total cost of carpeting the floor of the hall at the rate of Rs. 45 per square meter.

- A) Rs. 10,000
- B) Rs. 9,000

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- C) Rs. 7,500
- D) Rs. 8,500
- E) Rs. 9,500

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I hope the model paper was helpful for your preparation for upcoming banking exams (IBPS, SBI, RBI). Please feel free to share any feedback or suggestions to help us improve your learning experience. Wishing you the very best with your studies and exams!

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Best Wishes

Murthy sir (MSM)

Founder & Aptitude Trainer

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