



भारतीय प्रबंध संस्थान, कोषिकोड

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EMAT Sample

Question Paper

Quantitative Aptitude

- Which least number must be added to 3000 to obtain a number exactly divisible by 19?
A. 2
B. 3
C. 4
D. 6
- The product of two numbers is 1320 and their HCF is 6. Find the LCM of two numbers.
A. 230
B. 220
C. 320
D. 345
- The average weight of 12 boxes is 63 kg. If four boxes having an average weight of 70 kg are removed, then what will be new average weight of the remaining boxes?
A. 60 kg
B. 59 kg
C. 60.5 kg
D. 59.5 kg
- By selling an article for Rs 600, a shopkeeper makes a profit of 20%. At what price should he sell the article to incur a loss of 20%?
A. Rs. 500
B. Rs. 400
C. Rs. 300
D. Rs. 600
- C alone can complete a work in 20 days and D alone can complete the same work in 30 days. In how many days C and D together can complete the same work?
A. 6 days
B. 12 days
C. 15 days
D. 8 days
- The ratio between the speeds of two cars is 6 : 5. If the second car runs 600 km in 6 hours, then the speed of the first car is:
A. 100 km/hr
B. 120 km/hr
C. 110 km/hr
D. 90 km/hr

7. Mr. Thomas invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be Rs. 3508, what was the amount invested in Scheme B
- A. Rs.6400**
B. Rs.6500
C. Rs.7200
D. Rs.7500
8. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?
- A. 4 years**
B. 8 years
C. 10 years
D. 12 years
9. A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share?
- A. Rs.500
B. Rs.1500
C. Rs.2000
D. Rs.2500
10. How many numbers are there between 99 and 1000, having at least one of their digits 7?
- A. 252**
B. 256
C. 76
D. 352
11. A is 60% more than B and C is 45% less than twice the sum of B and A. By what percentage is C more than A?
- A. 75.25
B. 76.50
C. 78.75
D. 77.25
12. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither red nor green?
- A. 1/3**
B. $\frac{3}{4}$
C. 7/19
D. 8/21
13. A, B, C subscribe Rs. 50,000 for a business. A subscribes Rs. 4000 more than B and B Rs. 5000 more than C. Out of a total profit of Rs. 35,000, A receives:
- A. Rs. 8400
B. Rs. 11,900
C. Rs. 13,600
D. Rs. 14,700

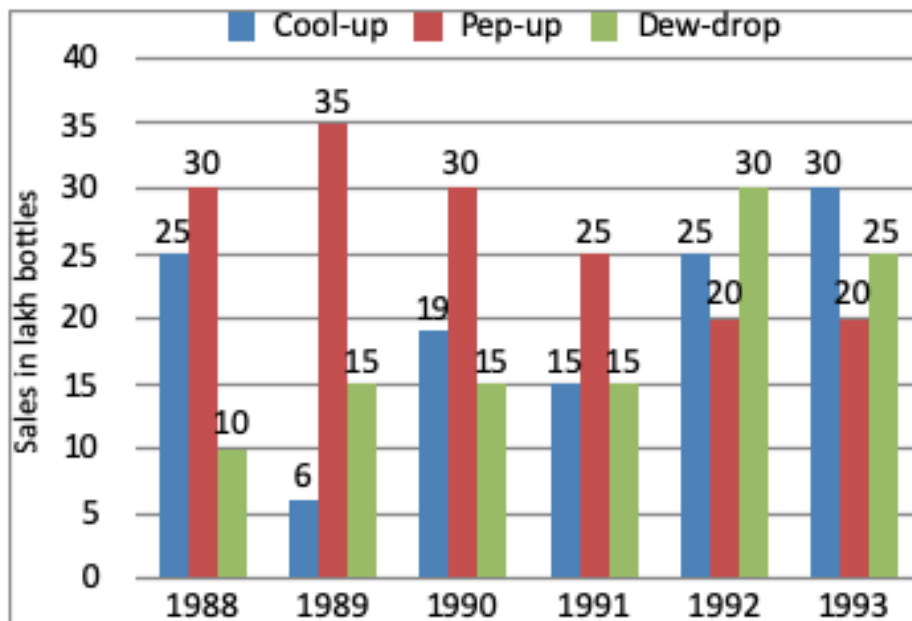
14. In what ratio must a grocer mix two varieties of pulses costing Rs. 15 and Rs. 20 per kg respectively so as to get a mixture worth Rs. 16.50 kg?
- A. 3:7
B. 5:7
C. 7:3
D. 7.5
15. A Train of 300 m length passes a pole in 15 second. What is the speed of the Train?
- A. 72 km/hr**
B. 75 km/hr
C. 65 km/hr
D. 60 km/hr
16. Pipe A is a filling pipe, while B and C are emptying pipes. Pipe A alone can fill a tank in 10 hours and pipe C alone can empty the full tank in 24 hours. If all three pipes are opened together, the tank is completely filled in 40 hours. In how many hours can pipe B alone empty two-third part of the tank?
- A. 24
B. 20
C. 18
D. 30
17. The length and breadth of a rectangular garden is 12 cm and 9 cm. What will be the area of the rectangular garden?
- A. 96 cm square
B. 112 cm square
C. 84 cm square
D. 108 cm square
18. 11th term of the Arithmetic Progression $-3, -1/2, 2, \dots$ Is
- A. 28
B. 22
C. -38
D. -48
19. The population of a town is decreasing at a rate of 10% per annum. If the population two years ago was 20,000, what is the present population?
- A. 15000
B. 15200
C. 16000
D. 16200
20. On lending a certain sum of money on Compound Interest, one gets Rs.9050 in 2 years and Rs.9500 in 3 years. What is the rate of interest?
- A. 5%**
B. 4.5%
C. 5.5 %
D. 6%

Logical Reasoning and Data Interpretation

21. Find the next number in the series 13, 17, 19, 23, 29, _.
- A. 33
 - B. 35
 - C. 31**
 - D. 37
22. CKDL, EKFL, GKHL, _, KKLL. Find the missing letters.
- A. IJKL
 - B. IKJL**
 - C. MNOP
 - D. MNPQ
23. CUP : LIP :: BIRD : ?
- A. BUSH
 - B. GRASS
 - C. FOREST
 - D. BEAK**
24. Select the option that is related to the third term in the same way as the second term is related to the first term. DFG : MOP :: LNO : ?
- A. WXZ
 - B. UWX**
 - C. WUX
 - D. UXZ
25. I. The number of unemployed youth rose tremendously this year as compared to the previous year.
II. A large number of candidates applied for the post of a manager in a bank against an advertisement of the job in a newspaper.
- A. Statement II is the cause and statement I is its effect
 - B. Statement I is the cause and statement II is its effect**
 - C. Both the statements are effects of independent causes
 - D. Both the statements are independent causes
26. Pointing to a photograph of a man, Pooja said, "He is the only son of the mother of my sister's brother." How is that person related to Pooja?
- A. Father
 - B. Maternal Uncle
 - C. Cousin
 - D. Brother**

27. Geeta walks 20 m towards north then she walks 12 m towards the South. Now, she walks 6 m towards east. How far and in which direction is she from the starting point?
- A. 10 m North-East**
B. 10 m North
C. 6 m East
D. 6 m South-West
28. Deepak, Rahul, Manoj, and Kapil are brothers. Who is the heaviest?
- I. Rahul is heavier than Deepak and Kapil, but lighter than Manoj.
II. Deepak is lighter than Rahul and Manoj, but heavier than Kapil.
- A. Statement I alone is sufficient, but statement II alone is not sufficient**
B. Statement II alone is sufficient, but statement I alone is not sufficient
C. Either I or II is sufficient
D. Data in both the statements together are not sufficient
29. If HOT is coded as GNS, how is COLD coded?
- A. BNKC**
B. DPME
C. EQNF
D. FROG
30. P, Q, R, S, T, U, V and W are sitting clockwise around a circular table at equal distances from each other in the same sequence. All of them are facing the centre of the table. If P is facing northeast, then which direction is V facing?
- A. North West**
B. South East
C. West
D. North

Directions (31 - 35): Study the graph and answer the questions.



31. What was the approximate percent drop in the sales of pep-up in 1990 over its sale in 1989?
- A. 5
B. 14
C. 12
D. 20
32. In case of which soft drink was the average annual sale minimum during the period 1988-1993?
- A. Pep-up only
B. Cool-up only
C. Dew-drop only
D. Dew-drop and Cool-up
33. In which year the sale of cool-up is minimum?
- A. 1990
B. 1992
C. 1993
D. None of these above
34. What was the approximate percent increase in sales of cool-up in 1990 over its sales in 1989?
- A. 100%
B. 50%
C. 216%
D. 150%

35. In case of which soft drink was the average annual sale maximum during the period 1988-1993?

- A. **Pep-up only**
- B. Pep-up and Dew-drop
- C. Cool-up only
- D. Cool-up and Pep-up

Directions (36 - 40): Study the table given below and answer the questions that follow:
Total Number of Employees in different Departments of an Organization and Percentage of Females and Males.

Department	Total No. of Employees	Percentage of Females	Percentage of Males
IT	840	45	55
Accounts	220	35	65
Production	900	23	77
HR	360	65	35
Marketing	450	44	56
Customer Service	540	40	60

36. What is the total number of employees in all the departments together?

- A. 3260
- B. **3310**
- C. 3140
- D. None of these

37. What is the respective ratio of the number of females in Production department to the number of females in the Marketing department?

- A. 22 : 23
- B. 35 : 33
- C. **23 : 22**
- D. None of these

38. What is the total number of males in the IT and Customer Service departments together?

- A. 678
- B. 768
- C. 876
- D. **None of these**

39. What is the ratio of the number of females in the HR and Accounts department together to the number of males in the same department together?
- A. **311 : 269**
 - B. 268 : 319
 - C. 319 : 268
 - D. None of these
40. The total number of employees in the HR department forms approximately what per cent of the total number of employees in the Accounts department?
- A. 149%
 - B. 178%
 - C. 157%
 - D. **164%**

EMAT Sample Question Paper

English Language and Verbal Ability

41. Spot the error

Although Peter tried (A) his best (B) but he could not (C) win the game. (D)

- A. A
- B. B
- C. C**
- D. D

42. In the following question, an incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.

With great efforts his son succeeded in convincing him not to donate his entire wealth to an orphanage

- A. and lead the life of a wealthy merchant
- B. but to a home for the forsaken children
- C. and make an orphan of himself**
- D. as the orphanage needed a lot of donations

43. In the question below, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

With her body

- P. dragging her unwilling feet
- Q. weak and infirm
- R. doubled with age
- S. she persisted in her mission

The Proper sequence should be:

- A. PQRS
- B. QPRS
- C. RQPS**
- D. SRPQ

44. She purposely meet him during her last visit to Canada.

- A. wouldn't
- B. don't
- C. didn't**
- D. hasn't

45. 'At loggerheads' means
- A. to be in extreme danger
 - B. to be in love with someone
 - C. to be in strong conflict or disagreement with someone**
 - D. to have a poor memory
46. State in which the few govern the many
- A. Monarchy
 - B. Oligarchy**
 - C. Plutocracy
 - D. Autocracy
47. Each question consists of two words which have a certain relationship to each other followed by four pairs of related words, Select the pair which has the same relationship.

WAN:COLOUR

- A. corpulent:weight
 - B. insipid:flavour**
 - C. pallid:complexion
 - D. enigmatic:puzzle
48. Find the odd man out.
- A. Quell
 - B. Ruffle**
 - C. Allay
 - D. Control
49. Find the incorrect usage of the word given in *Italics*

Stop

- A. The car stopped at the traffic light
 - B. Som immediately stopped what he was doing
 - C. We need more laws to stop pollution
 - D. He is stopped by law from holding a licence**
50. In the sentence, identify the segment which contains the grammatical error.

You've got a whole week to yourself and you can read to your heart's contents.

- A. You've got a
- B. whole week to
- C. yourself and you can
- D. read to your heart's contents**

51. In the following sentence a part of the sentence is underlined. There are some alternatives to the underlined part which may improve the sentence. Choose the correct alternative. In case no improvement is needed choose option 4 'No improvement' as your answer.

Our supervisor's profane language has led many employees to resign from their positions.

- A. obscene
- B. miserly
- C. intrepid
- D. No improvement**

52. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase

Fear of ugliness and things that are ugly

- A. Anorexia
- B. Acrophobia
- C. Algophobia
- D. Cacophobia**

53. In the following question, the first word is given in capital letters followed by four other words, one of which is the antonym of the first word. Find the word.

CLANDESTINE

- A. Covert
- B. Forthright**
- C. Cunning
- D. Restricted

54. Find the meaning of the underlined idiom/phrase

Shaila found the assignment to be a piece of cake as it was quite manageable.

- A. Quite Difficult
- B. Somewhat Easy
- C. Very Easy**
- D. Relatively Tough

Read the following passage carefully and answer the questions (55 to 60) :

The popular view of towns and cities in developing countries and of urbanization process is that despite the benefits and comforts it brings, the emergence of such cities connotes environmental degradation, generation of slums and squatters, urban poverty, unemployment, crimes, lawlessness, traffic chaos etc. But what is the reality? Given the unprecedented increase in urban population over the last 50 years from 300 million in 1950 to 2 billion in 2000 in developing countries, the wonder really is how well the world has coped, and not how badly.

In general, the urban quality of life has improved in terms of availability of water and sanitation, power, health and education, communication and transport. By way of illustration, a large number of urban residents have been provided with improved water in urban areas in Asia's largest countries such as China, India, Indonesia and Philippines.

Despite that, the access to improved water in terms of percentage of total urban population seems to have declined during the last decade of 20th century, though in absolute numbers, millions of additional urbanites, have been provided improved services. These countries have made significant progress in the provision of sanitation services too, together, providing for an additional population of more than 293 million citizens within a decade (1990-2000). These improvements must be viewed against the backdrop of rapidly increasing urban population, fiscal crunch and strained human resources and efficient and quality-oriented public management.

55. The popular view about the process of urbanization in developing countries is
- A. Positive
 - B. Negative**
 - C. Neutral
 - D. Unspecified
56. The average annual increase in the number of urbanites in developing countries, from 1950 to 2000 A.D. was close to
- A. 30 million**
 - B. 40 million
 - C. 50 million
 - D. 60 million
57. The reality of urbanization is reflected in
- A. How well the situation has been managed.**
 - B. How badly the situation has gone out of control.
 - C. How fast has been the tempo of urbanization.
 - D. How fast the environment has degraded.

58. Which one of the following is not considered as an indicator of urban quality of life?

- A. Tempo of urbanization**
- B. Provision of basic services
- C. Access to social amenities
- D. All the above

59. The author in this passage has tried to focus on

- A. Extension of Knowledge
- B. Generation of Environmental Consciousness
- C. Analytical Reasoning**
- D. Descriptive Statement

60. In the above passage, the author intends to state

- A. The hazards of the urban life
- B. The sufferings of the urban life
- C. The awareness of human progress
- D. The limits to growth**

*****END OF QUESTION PAPER*****

EMAT Sample Question Paper