भारतीय प्रबंध संस्थान, कोषिक्कोड

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Quantitative Aptitude

1. 1, 3, 5, 7………….99. Find the sum of the numbers from 1 to 99 in the series.
   A. **2500**
   B. 2550
   C. 2300
   D. 2450

2. The greatest number that exactly divides 105, 1001 and 2436 is
   A. 3
   B. **7**
   C. 11
   D. 21

3. The total weight of 12 boys and 8 girls is 1080 kg. If the average weight of boys is 50 kg, then what will be average weight of girls?
   A. 55 kg
   B. 50 kg
   C. **60 kg**
   D. 45 kg

4. A shopkeeper suffers a loss of 10% if he sells an article for Rs. 6,750. What should be the selling price so that he earns a 10% profit?
   A. Rs. 8100
   B. **Rs. 8250**
   C. Rs. 8168
   D. Rs. 7500

5. If Rohit alone can complete one-fourth of a work in 32 days, then in how many days Rohit alone can complete the whole work?
   A. 96 days
   B. **128 days**
   C. 64 days
   D. 118 days

6. A man walks at a speed of 8 km / h. After every kilometre, he takes a rest for 4 minutes. How much time will he take to cover a distance of 6 km?
   A. 70 minutes
   B. 69 minutes
   C. **65 minutes**
   D. 60 minutes

7. Rs. 1400 amounts to Rs. 1484 in 2 years at a certain rate. If interest rate is increased by 2%, then what will be the interest?
   A. 150
   B. 160
   C. 165
   D. 140

8. A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, then how old is B?
   A. 7
   B. 8
   C. 9
   D. 10

9. In a mixture 60 litres, the ratio of milk and water 2 : 1. If this ratio is to be 1 : 2, then the quantity of water to be further added is:
   A. 20 litres
   B. 30 litres
   C. 40 litres
   D. 60 litres

10. The number of ways that 8 beads of different colours be string as a necklace.
    A. 2520
    B. 2880
    C. 5040
    D. 4320

11. In an election contest between A and B, A wins by the margin of 480 votes. If A gets 70% of the total votes. then total votes are
    A. 1400
    B. 1200
    C. 4800
    D. 1600

12. Three unbiased coins are tossed. What is the probability of getting at most two heads?
    A. ¾
    B. ¼
    C. 3/8
    D. 7/8

13. Three partners shared the profit in a business in the ratio 5 : 7 : 8. They had partnered for 14 months, 8 months and 7 months respectively. What was the ratio of their investments?
    A. 5:7:8
    B. 20:49:64
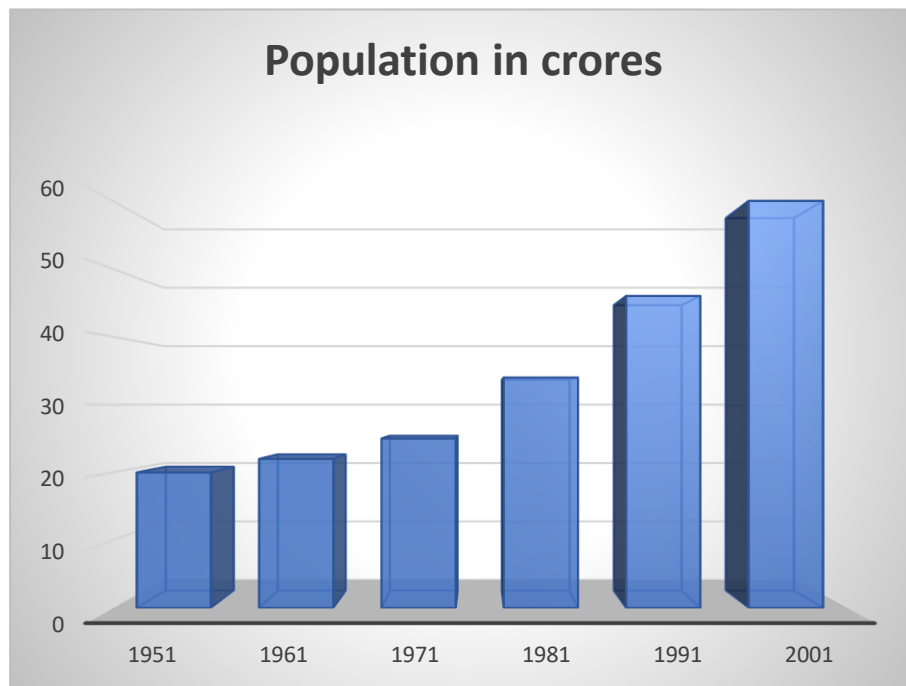   C. 38: 28: 21
    D. 7:8:9

14. How many kilogram of sugar costing Rs. 9 per kg must be mixed with 27 kg of sugar costing Rs. 7 per kg so that there may be a gain of 10% by selling the mixture at Rs. 9.24 per kg?
    A. 36 kg
    B. 42 kg
    C. 54 kg
    D.63 kg

15. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?
    A. 120 metres
    B. 180 metres
    C. 324 metres
    D. **150 metres**

16. Three pipes can fill a tank in 15 hours, 12 hours and 10 hours, respectively. If all the three pipes are opened simultaneously for 3 hours, then what percentage of the tank will remain unfilled?
    A. 17%
    B. 50%
    C. 33%
    D. **25%**

17. Curved surface area of a cylinder is 110 cm^2. If the height of cylinder is 5 cm, then what will be the diameter of its base?
    A. 21 cm
    B. 7 cm
    C. 10.5 cm
    D. 15 cm

18. Which term of the Arithmetic Progression 3, 8, 13, 18, … is 78?
    A. 12th
    B. 13th
    C. 15th
    D.16th

19. 1200 boys and 800 girls appeared in an examination. If 60% of the boys and 40% of the girls passed the examination, what is the percentage of candidates who failed in the examination?
    A. **48 %**
    B. 52 %
    C. 45 %
    D. 42 %

20. Ramesh borrowed Rs. 3600 at a certain rate of Compound interest and the sum grows to Rs. 4624 in 2 years. What is the rate of interest?
    A. 12.3%
    B. **13.3%**
    C. 14.3%
    D. 15.3%

Logical Reasoning and Data Interpretation

21. Find the missing number in the series; 196, 169, 144, _, 100, 81.
    A. 111
    B. 131
    C. 121
    D. 141

22. Find the missing letters in the series, GAH, IBJ, KCL, MDN, _.
    A. OEG
    B. OEP
    C. OEB
    D. OEA

23. I. The literacy rate in the city is increasing for the last three years.
    II. The city administration has conducted extensive literacy programs to educate the illiterate people of the city.

    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

24. Pointing to a woman, a man said, "Her father is the only son of my father." How is the man related to the woman?
    A. Brother
    B. Grandfather
    C. Father
    D. Son

25. Mohan is facing north-east. He turns 90 degrees in the anticlockwise direction then he turns 135 degrees in the clockwise direction. Which direction is Mohan facing now?
    A. East
    B. South
    C. North
    D. East

26. Sohan ranks fifth in the class. How many students are there in the class?

    I. His friend ranks 52th which is the last rank in the class.
    II. Sohan's rank from the last is 48th.

    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

27. In a certain code, TREE is written as UQFD. How is LEAF written in that code?
   A. MFBG
   B. KDZE
   C. **MDBE**
   D. MBZE

Directions (28 - 31): Study the graph and answer the questions:

Population in crores

28. The percent increase in population from 1991 to 2001 is:
   A. 24.8 crores
   B. 20 crores
   C. **13.6 crores**
   D. 22.9 crores

29. In which census year, the per cent increase in population is highest as compared to that in the previous census year?
   A. 1971
   B. 1981
   C. 1991
   D. **2001**

30. In which census year, the per cent increase in population is least as compared to that in the previous census year?
   A. **1971**
   B. 1981
   C. 1991
   D. 1961

31. Per year increase in population from the year 1951 to 2001 is
    A. 8000000
    B. 7600000
    C. 8900000
    D. 6700000

Directions (32 - 36): Study the following table carefully and answer the question that follow:
Number of candidates (in lakhs) appearing in an Entrance Examination from six different Cities.

City	A	B	C	D	E	F
No. of Candidates	1.25	3.14	1.08	2.27	1.85	2.73

Ratio of Candidates Passing and Failing Within the City

City	Ratio of Passing and Failing
A	7 : 3
B	5 : 3
C	4 : 5
D	1 : 3
E	3 : 2
F	7 : 5

32. The number of candidates appearing for the exam from City C is what per cent of the number of candidates appearing for the exam from City B? (rounded to nearest integer)
    A. 27%
    B. 34%
    C. 42%
    D. 21%

33. What is the number of candidates passing the exam from city E?
    A. 1110000
    B. 113000
    C. 11000
    D. None of these

34. The number of candidates passing the examination from City F is what per cent of the total number of candidates appearing from all the cities together? (rounded off to two digits after the decimal)
   A. 12.93%
   B. 14.46%
   C. 10.84%
   D. 11.37%

35. What is the ratio of the number of candidates failing the exam from City D to that of those failing the exam from City A?
   A. 289 : 42
   B. 42 : 289
   C. 227 : 50
   D. 50 : 227

36. Which city has the highest number of students failing the entrance exam?
   A. F
   B. C
   C. B
   D. D

37. Assertion (A): Diamond is used for cutting the glass.
   Reason (R): The refractive index of diamond is high.

   A. Both A and R are true, and R is the correct explanation of A.
   B. Both A and R are true, but R is not the correct explanation of A.
   C. A is true, but R is false.
   D. A is false, but R is true.

38. Statements:
   I) Some parrots are owls.
   II) All owls are pigeons.
   III) All pigeons are snakes.

   Conclusion:
   i) Some parrots are pigeons
   ii) Some pigeons are parrots
   iii) All owls are snakes

   A. All follow
   B. Only I, III follow
   C. Only II, III follow
   D. Only I, II follow

39. If 15th February 2018 is a Thursday. On what day will 18th April 2019 fall?
   A. Saturday
   B. Thursday
   C. Friday
   D. Wednesday

40. In a two-wheeler showroom, seven bikes of different companies - L, M, N, O, P, Q and R are facing east in the following order:

Bike L is to the immediate right of R.

Bike R is fourth to the right of N.

Bike O is between two bikes M and Q

Bike N which is third to the left of M, is at one end,

which of the bikes are on both the immediate sides of bike L?

A.   Bikes M and R
B.   Bikes N and O
C.   **Bikes P and R**
D.   Bikes M and O

English Language and Verbal Ability

41. Spot the error

    I haven't been (A) to Mumbai before and (B) neither my sister. (C) No error (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.

    Because he believes in democratic principles, he always ......
    A. decides all the matters himself
    B. listen to others views and enforces his own
    C. shown respect to others opinions if they match his own
    D. reconciles with the majority views and gives us his own

43. In each 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.

    We must read

    P. if we want to absorb the fruits of great literature
    Q. but with concentration
    R. them not as we do cricket stories
    S. undefined

    The Proper sequence should be:
    A. QPSR
    B. PSQR
    C. PRSQ
    D. PRQS

44. I think they allow their children too much ......
    A. liberality
    B. latitude
    C. Lassitude
    D. levity

45. To hit the nail right on the head
    A. **To do the right thing**
    B. To destroy one's reputation
    C. To announce one's fixed views
    D. To teach someone a lesson

46. A person pretending to be somebody he is not
    A. Magician
    B. Rogue
    C. Liar
    D. **Imposter**

47. The following 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.

    MUNDANE:SPIRITUAL

    A. common:ghostly
    B. **worldly:unworldly**
    C. routine:novel
    D. secular:clerical

48. Find the odd man out.
    A. **Sporadic**
    B. Frequent
    C. Intermittent
    D. Scarce

49. Find the incorrect usage of the word given in *Italics*

    time

    A. **I can remember very few times when we had to cancel programmes dure to ill health**
    B. This is the first time that I have been to New Delhi
    C. The train has arrived right on time
    D. The changing seasons mark the passing of time

50. In the sentence, identify the segment which contains the grammatical error.

    We had taken great pain to check the structural soundness of the coachwork.
    A. We had taken
    B. **great pain to**
    C. check the structural
    D. soundness of the coachwork

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

A person or thing that causes great trouble or suffering.

A. Termagant
B. **Scourge**
C. Recluse
D. Heretic

52. 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.

INDIGENOUS

A. **Acquired**
B. Utter
C. Cosmopolitan
D. Implicit

53. Find the meaning of the underlined idiom/phrase

Sally was at her best and was <u>dressed to kill</u> in accordance with the occasion of her wedding.
A. To kill
B. To behave in a secretive manner
C. **To impress**
D. To dress boorishly

54. A sentence broken into five or six parts. Join these parts to make a meaningful sentence. The correct order of parts is the answer.

1. tea   2. have   3. that
4. some   5. before

A. 43251
B. 24315
C. **24153**
D. 52431

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

James Madison said, "A people who mean to be their own governors must arm themselves with power that knowledge gives." In India, the Official Secrets Act, 1923 was a convenient smokescreen to deny members of the public access to information. Public functioning has traditionally been shrouded in secrecy. But in a democracy in which people govern themselves, it is necessary to have more openness. In the maturing of our democracy, right to information is a major step forward; it enables citizens to participate fully in the decision-making process that affects their lives so profoundly. It is in this context that the address of the Prime Minister in the Lok Sabha is significant. He said, "I would only like to see that everyone, particularly our civil servants, should see the Bill in a positive spirit; not as a draconian law for paralyzing Government, but as an instrument for improving Government-Citizen interface resulting in a friendly, caring and effective Government functioning for the good of our People." He further said, "This is an innovative Bill, where there will be scope to review its functioning as we gain experience. Therefore, this is a piece of legislation, whose working will be kept under constant reviews."

The Commission, in its Report, has dealt with the application of the Right to Information in Executive, Legislature and Judiciary. The judiciary could be a pioneer in implementing the Act in letter and spirit because much of the work that the Judiciary does is open to public scrutiny, Government of India has sanctioned an e-governance project in the Judiciary for about ` 700 crores which would bring about systematic classification, standardization and categorization of records. This would help the judiciary to fulfil its mandate under the Act. Similar capacity building would be required in all other public authorities. The transformation from no transparency to transparency and public accountability is the responsibility of all three organs of State.

55. A person gets power
    A. **by acquiring knowledge**
    B. from the Official Secrets Act, 1923
    C. through openings
    D. by denying public information

56. Right to Information is a major step forward to
    A. **enable citizens to participate fully in the decision making process**
    B. to make the people aware of the Act
    C. to gain knowledge of administration
    D. to make the people Government friendly

57. The Prime Minister considered the Bill
    A. to provide power to the civil servants
    B. **as an instrument for improving Government-citizen interface resulting in a friendly, caring and effective Government**
    C. a draconian law against the officials
    D. to check the harassment of the people

58. The Commission made the Bill effective by
    A. extending power to the executive authorities
    B. combining the executive and legislative power
    C. recognizing Judiciary, a pioneer in implementing the act in letter and spirit
    D. educating the people before its implementation

59. The Prime Minister considered the Bill innovative and hoped that
    A. It could be reviewed based on the experience gained on its functioning.
    B. The civil servants would see the Bill in a positive spirit.
    C. It would not be considered as a draconian law for paralyzing Government
    D. All the above

60. The transparency and public accountability is the responsibility of three organs of the State. These three organs are
    A. Lok Sabha, Rajya Sabha and Judiciary
    B. Lok Sabha, Rajya Sabha and Executive
    C. Judiciary, Legislature and the Commission
    D. Legislature, Executive and Judiciary

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