

APCOB ASSISTANT MANAGERS MODEL PAPER QUANTITATIVE APTITUDE

1. A can do a piece of work in 12 days, B can do the same work in 8 days, and C can do the same job in the time required by both A and B. If both A and B work together for 3 days, then C completes the job. In how many days C finished the work?

1) 8 2) 6 3) 3 4) 10 5) None of these

2. Two-third of three-fifth of one-eighth of a certain number is 268.50. What is 30 per cent of that number?

1) 1,611.0 2) 716.0 3) 1,342.5 4) 596.60 5) None of these

3. Which of the following equations are equivalent?

(a) $4p^2 - 9q^2$ (b) $(2p - 3q)^2$ (c) $(2p - 3q)(2p + 3q)$ (d) $(2p - 3q)^2 + 12pq - 18q^2$ 1) All except b 2) a and c 3) b and c 4) All 5) None of these

4. What approximately value should come in place of the question mark (?) in the following equation?
 $31\% \text{ of } 3581 + 27\% \text{ of } 9319 = ?$

1) 2,630 2) 3,625 3) 2,625 4) 3,635 5) 3,824

5. If the places of last two digits of a three-digit number are interchanged, a new number greater than the original number by 54 is obtained. What is the difference between the last two digits of that number?

1) 9 2) 12 3) 6 4) Data inadequate 5) None of these

6. A man was 'n' years old 'x' years ago. His age 'm' years from now would be expressed as

1) $n - x + m$ 2) $x + n - m$ 3) $x + m - n$ 4) $n + x + m$ 5) None of these

7. Multiply the difference between the two lowest numbers with the difference between the two highest numbers in the following sequence 89 91 7 12 31 25 18 89 16 58 38 42 86

1) 18 2) 10 3) 15 4) 16 5) None of these

8. What value should come in place of the question mark (?) in the following equation? $48 + 32 = 320$

1) 16 2) 2 3) 4 4) 32 5) None of these

9. What should come in place of question mark (?) in the following equation? $36964 - 3(?) = 68344 - 8(5574)$

1) 5,808 2) 4,404 3) 4,400 4) 13,212 5) None of these

10. What should come in place of the question mark (?) in the following equation?

1) $7 \times 4 + 7 \times 3 = ?$ 1) 24 2) 61 3) 51 4) 53 5) None of these

11. The ratio of two numbers is 3:2. If 10 and the sum of the two numbers are added to their product, square of sixteen is obtained. What could be the smaller number?

1) 14 2) 12 3) 16 4) 18 5) None of these

12. Rahul is younger than Radha by 10 years. If five years back their ages were in the ratio 1:2, how old is Radha?

1) 20 2) 15 3) 25 4) Data inadequate 5) None of these

13. Four of the five parts numbered (1), (2), (3), (4) and (5) in the following equations are exactly, equal. You have to find out the part that is not equal to the other four. The number of that part is the answer.
 $8,362.64 + 768.3 - 190.57 = 593.38 + 604.7 + 7,742.29$

1) 2) $= 2,235.925 \times 4 = 9,931.04 - 990.67 = 17880.74 \div 2$ 3) 4) 5)

14. If the side of a small square is m, how many such square will get accommodated in a square of side 4m?

1) 400 2) 220 3) 525 4) 226 5) 225

15. The number x, y, z are such that $xy = 96,050$ and $xz = 95,625$ and y is greater than z by one. Find out the number z.

1) 1,425 2) 1,600 3) 1,525 4) 1,226 5) 1,225

16. Find the amount on Rs 60,000, if the interest is compounded half-yearly at 4% p.a for 1 years.

1) 63,672.48 2) 62,424.00 3) 67,491.84 4) 64,896.00 5) None of these

17. A solution of sugar syrup has 15% sugar. Another solution has 5% sugar. How many litres of the second solution must be added to 20 litres of the first solution to make a solution of 10% sugar?

1) 10 2) 5 3) 15 4) 20 5) None of these

18. Sum of which of the following pairs of number is highest?

a) 351236912 and 351236930 b) 351236920 and 351236918 c) 351236940 and 351236909 d) 351236906 and 351236960 1) a) 2) b) 3) c) 4) d) 5) All are same

19. On the occasion of a certain meeting each gave shakehand to the remaining members. If the total shakehand were 28, how many members were present for the meeting?

1) 14 2) 7 3) 9 4) 8 5) None of these

20. When in each box 5 or 6 dozens of oranges were packed. Three dozens were remaining. Therefore, bigger boxes were taken to pack 8 or 9 dozens of oranges. However, still three dozens of oranges to be packed?

1) 216 2) 243 3) 363 4) 435 5) None of these Directions

(Q.21-25): In each of the following question a number series is given. A number in the series is suppressed by 'P' mark. First you have to find out the number in the place of the 'P' mark and use this number to find out the answer of the question following the series.

21. 188 186 P 174 158 126 = ?

1) 14.03 2) 14.10 3) 13.00 4) 13.67 5) None of these

22. 3.2 4.8 2.4 3.6 P 2.7 0.06% of 54 \div P=?

1) 0.18 2) 1.62 3) 0.62 4) 18.0 5) 0.018

23. 4 6 8 P 13 15 30% of (P2 + 132) =?

1) 78.73 2) 87.00 3) 98.83 4) 172.80 5) None of these

24. 220 182 146 114 84 58 P P \times =?

1) 2 2) 2 3) 2 4) 3 5) None of these

25. 25 37 51 67 85 P 127 20% of (P \times) =?

1) 625 2) 550 3) 450 4) 525 5) None of these Directions

(Q.26-30): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement are sufficient to answer the question. Read both the statements and www.sakshieducation.com Give answer (1): if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question. Give answer (2): if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the questions. Give answer (3): if the data either in statement I alone or in statement II alone are sufficient to answer the question. Give answer (4): if the data even in both the statements I and II together are not sufficient to answer the question; and Give answer (5): if the data in both the statement I and II together are necessary to answer the question.

26. How many boys are there in the class?

I. The class has total 45 children and ratio of boys to girls is 4:5. II. The ratio of girls to boys is 4:5 and boys are nine more than the girls.

27. What is the average monthly income per family members?

I. Each male earns Rs 1,250 a month and each female earns Rs 1,050 a month. II. Ratio of males to females in the family is 2:1.

28. What is the value of $m - n \div 37$?

I. m is the largest possible six-digit number and n is the smallest possible six-digit number. II. The difference between m and n is known.

29. What selling price should be marked on the article?

I. Discount of 5% is to be given and profit percentage should be double the discount. Purchase cost is in the range of Rs 300-Rs 400. II. 10% discount is to be allowed and 15% profit is to be obtained on the purchase cost of Rs 200 of the article.

30. What is the cost of polishing the rectangular floor?

I. Room is 9 m long and 7 m wide. II. Cost of polishing the floor of 10 m by is Rs 112.50.

Directions (Q. 31-35): Study the following graph carefully. Production of Roses is given.

31. Which of the following state(s) contribute(s) less than 10 per cent in the total rose production?

1) Only Rajasthan 2) Rajasthan, Karnataka 3) Rajasthan, Karnataka, Haryana 4) Rajasthan, Karnataka, Haryana and Gujarat 5) None of these

32. By what percentage rose production of other states is more than that of the Maharashtra?

1) 25 2) 30 3) 20 4) 15 5) None of these

33. What is the approximate average production of roses (in thousands) across all the states?

1) 21 2) 20 3) 19 4) 18 5) none of these

34. Approximately what percentage of the total rose production is shared by the other states?

1) 10 2) 20 3) 30 4) 40 5) 35

35. If total percentage contribution of the states having production of roses below twenty thousand is considered, which of the following statements is true?

1) It is little above 40% 2) It is exactly 35% 3) It is below 35% 4) It is little below 30% 5) None of these

REASONING

Directions (Q. 36-70): In each question below are given two statements followed by four conclusions numbered I, II, III and IV. You have to take the given statement to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

36. Statement: All spoons are bowls. Some bowls are plates. Conclusions: I. Some spoons are plates. II. Some bowls are spoons. III. Some plates are spoons. IV. All bowls are spoons.

1) Only I follows 2) Only II follows 3) Only II and III follow 4) Only I and II follow 5) None of these

37. Statement: Some dogs are cats. No cat is a cow. Conclusions: I. Some cats are dogs. II. Some cows are dogs. III. No dog is a cow. IV. Some cats are not dogs.

1) Only I and II follow 2) Only II follow 3) Only III and IV follow 4) Only III follow 5) None of these

38. Statement: All bats are flies. All rats are bats. Conclusions: I. All flies are rats II. All bats are rats. III. All rats are flies. IV. Some flies are not bats.

1) Only I and III follow 2) Only I and IV follow 3) Only III and IV follow 4) Only II and III follow 5) None of these

39. Statements: All cups are saucers. All pots are cups. Conclusions: I. All pots are saucers. II. All saucers are cups. III. Some cups are pots. IV. Some saucers are pots.

1) Only I and III follow 2) Only II and IV follow 3) Only I, III and IV follow 4) Only III and IV follow 5) None of these

40. Statement: All fishes are birds. All birds are rats. Conclusions: I. All rats are fishes. II. All rats are birds. III. All fishes are rats. IV. Some rats are not fishes.

1) Only I and III follow 2) Only I and IV follow 3) Only III and IV follow 4) Only II and III follow 5) None of these

Directions (Q. 41-52): The world famous Edward Museum in city 'X' has introduced the system of passcode for its visitors. The pass codes are generated by machine and automatically change after every one hour, during the visiting hours 11am to 7pm. The illustration of pass codes generated batch wise is given below: Pass code for batch I starting at 11 am Things keep dust your all away from never. Pass code for batch II starting at 12 noon. All dust things your away from never keep. Pass code for batch III starting at 1 pm. Away things all your from never keep dust. Pass code for batch IV starting at 2 pm. From all away your never keep dust things. And so on up to the last batch starting at 6 pm.

41. If "he for went then to the shop in" is the pass code for seventh batch," shop to the then in for went he" will be the pass code for which of the following batches?

1) First batch 2) Second batch 3) Third batch 4) Fourth batch 5) None of these

42. "wait not for her till go to garden" is the passcode for batch starting at 12 noon. When Sumitra visited, she was issued the passcode" garden go her not for wait till". At what time did she visit?

1) 3 pm 2) 5 pm 3) 6 pm 4) 4 pm 5) 1 pm

43. Mr. 'X' visited the museum at 1 pm, but was wrongly issued the passcode for 4 pm batch which was "left is the hand right to his way". What is the correct passcode that should have been issued to Mr. 'X'?

1) way to hand his is the left right 2) way to his hand is the left right 3) way to his hand the is left right 4) way to his hand is the right left 5) None of these

44. The passcode generated for the second batch on a particular day was "fat big nice girl for it was out". What will be the passcode for the sixth batch on that day?

1) out is was girl big fat nice for 2) out was it girl big nice fat for 3) out it was girl big nice fat for 4) out it girl was big nice fat for 5) None of these

45. The passcode for batch starting at 2 pm was "walk slow health for good physique for men". What would be the passcode for the batch starting at 5 pm?

1) for physique good for men slow health walk 2) for good physique for men health slow walk 3) good for physique for men health slow walk 4) good physique for men health slow walk 5) None of these

46. Mr. Ashok visited the museum at 3 pm. The passcode he received was "at the few words all in race". What would have been his passcode had he visited the museum 1pm?

1) the for words race few at all in 2) the for race words few at all in 3) for the words race few at all in 4) for the race words few at all in 5) None of these

47. If the passcode for fifth batch is "set all get ready for the race today", what will be the passcode for the first batch?

1) race for the ready today all get set 2) race for the today ready all get set 3) race the for ready today all get set 4) race for the ready today get all set 5) None of these

48. In a certain code language the word DISTANCE is written as FLUWCQEH. How will the word NUMERALS be written in that code language?

1) PXNHTDNV 2) PXOITDNV 3) PWOHTDNV 4) PXOHTDNV 5) None of these

49. Five friends, A, B, C, D and E are staying in the same locality. B's house is to the east of A's house and to the north of C's house. C's is to the west of D's house. D's house is in which direction with respect to A's house?

1) South-East 2) North-East 3) East 4) Data inadequate 5) None of these

50. What should come in place of the question mark (?) in the following series?

A3E, D6H, ?, J12N. 1) F9J 2) G9L 3) F9K 4) G9M 5) None of these

COMPUTER AWARENESS

1) Which of the following is not an option for changing the case of text?

1) Indent case 2) Sentence case 3) Toggle case 4) Lower case 5) Upper case

2. Data that uses 4 bytes is called

1) Data field 2) Character 3) Word 4) Double word 5) Item

3. ISDN represents-

1) Integrated System Digital Network 2) Initial Services Data Network 3) Integrated Service Digital Network 4) Initial System Digital Network 5) None of these

4. _____ types of database objects are there in MS-access.

1) 5 2) 6 3) 7 4) 8 5) None of these

5. Primitive operations common to all record management system include

1) Print 2) Sort 3) Look up 4) Filter 5) All the above

6. _____ prefix is used for one millionth of a second.

1) Microsecond 2) Millisecond 3) Kilo second 4) Nanosecond 5) Pico second

7. What is another name for computer tower?

1) ALU 2) CU 3) CPU 4) Mother board 5) UPS

8. You can print

1) A selected range of cells 2) A single worksheet 3) An entire worksheet 4) All the above 5) None of these

9. 10 Base 2 type of Ethernet uses ___ topology.

1) Ring 2) Bus 3) Star 4) Mesh 5) Tree 115. The third step in the transaction processing cycle is 1) Database operation 2) Audit 3) Data entry 4) User inquiry 5) Transaction processing

10. Any program logic could be expressed by using which of following control/logic structures?

1) Sequence logic 2) Selection logic 3) Looping logic 4) All the above 5) None of these

11. The representation of numbers in the positional number system with radix 16 is

1) Binary 2) Decimal 3) Octal 4) Hexadecimal 5) Dotted decimal

12. _____ memory stores the value of variables.

1) ROM 2) PROM 3) RAM 4) SRAM 5) Main

13. Which of the following items is not a default setting?

1) No header or footer 2) Tabs every 0.25" 3) 1 inch top & bottom margin 4) Single line spacing 5) 1.25" left & right margin

14. Hyperlink in a web document typically appears as

1) Bold and underlined 2) Italicised and underlined 3) Underlined and coloured 4) Bold and italicised 5) Bold and coloured

15. A source program is written in a _____ language.