

STATE BANK OF INDIA PAPER ON 27th APRIL 2008**Reasoning Ability**

1. In a certain code BOARD is written as 53169 and NEAR is written as 2416. How is NODE written in that code?
(a) 2394 (b) 2894 (c) 2934 (d) 2694 (e) None of these

Ans. (a)

2. What should come next in the following sequence of letters?

B B C B C D B C D E B C D

E F B C D E F G B C D E F

(a) B (b) G (c) H (d) D (e) None of these

Ans. (b)

3. In a certain code SPORADIC is written as QNORDJEB. How is TROUBLES written in that code?

(a) SQTNTFMC (b) TNQSRDKA (c) TNQSTFMC (d) TFQSCMFT (e) None of these

Ans. (c)

4. 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) Mica (b) Zinc (c) Iron (d) Chlorine (e) Aluminium

Ans. (a)

5. If it is possible to make only one meaningful word with the first, the third, the fifth and the eighth letters of the word SHAREHOLDING, which of the following will be the second letter of that word? If no such word can be made, give 'X' as the answer and if more than one such word can be made, give 'Y' as the answer

(a) L (b) E (c) S (d) X (e) Y

Ans. Y

6. 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) 18 (b) 24 (c) 36 (d) 34 (e) 26

Ans. (c)

7. If 'green' means 'yellow', 'yellow' means 'white', 'white' means 'red', 'red' means 'violet', 'violet' means 'black', then which of the following will be the colour of human blood?

(a) Red (b) Black (c) Green (d) White (e) None of these

Ans. (e)

8. How many such pairs of letters are there in the word: GLIMPSE each of which has as many letters between them in the word as in the English alphabet?

(a) None (b) One (c) Two (d) Three (e) More than three

Ans. (c)

9. EARN is related to RANE and BOND is related to NODB in the same way as TEAR is related to

(a) AERT (b) ATRE (c) ARET (d) REAT (e) None of these

Ans. (a)

10. How many such digits are there in the number 5813649 each of which is as far away from the beginning of the number as when the digits are rearranged in the ascending order?

(a) None (b) One (c) Two (d) Three (e) More than three

Ans. (c)

11. If “” means 'added to', '·' means 'multiplied by'; '+' means 'subtracted from' and '-' means 'divided by' then $24+36-12 \cdot 8,4=?$

- (a) 36 (b) 53 (c) 5 (d) 20 (e) None of these

Ans. (b)

12. 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) Coconut (b) Lotus (c) Lilly (d) Rose (e) Marigold

Ans. (a)

Directions (13 - 15) :

- i) 'P · Q' means 'P, is brother of Q'
 ii) 'P - Q' means "P is sister of Q"
 iii) 'P + Q' means 'P is sister of Q'
 iv) 'P , Q' means 'P is mother of Q'

13. Which of the following represents 'M is nephew of N'?

- (a) N - K + M (b) N · K, M (c) N , K · M (d) N - K + M · T (e) None of these

Ans. (d)

14. How is T related to D in the expression: H + T , R- D?

- (a) Nephew (b) Niece (c) Nephew or Niece (d) Data inadequate (e) None of these

Ans. (e)

15. Which of the following represents F is daughter of W?

- (a) W , R+ F (b) W · R · F (c) W + R · F - Y (d) W + R - F + T (e) None of these

Ans. (c)

Directions (16 - 20) : In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. You have to 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 disregarding commonly known facts

16. Statements :

Some bags are trunks All trunks are shirts
 Some shirts are books All books are shops

Conclusions :

I. Some shops are bags II. Some books are bags
 III. Some shops are shirts IV. Some shirts are bags

- (a) Only I and II follow (b) Only I and III follow (c) Only III and IV follow (d) Only II and IV follow
 (e) None of these

Ans. (c)

17. Statements :

All pens are chairs All flowers are chairs All chairs are trucks All trees are trucks

Conclusions :

I. Some trucks are pens II. Some trucks are chairs III. Some trees are pens IV. Some trees are chairs

- (a) Only I and III follow (b) Only I and II follow (c) Only III and IV follow (d) Only II and IV follow
 (e) None of these

Ans. (b)

18. Statements :

All desks are pillars Some pillars are towns All towns are benches Some benches are cars

Conclusions:

I. Some cars are towns II. Some benches are desks III. Some benches are pillars IV. Some cars are pillars

(a) None follows (b) Only I follows (c) Only II follows (d) Only III follows (e) Only IV follows

Ans. (d)

19. Statements :

All stations are houses No house is garden Some gardens are rivers All rivers are ponds

Conclusions :

I. Some ponds are gardens II. Some ponds are stations III. Some ponds are houses IV. No pond is Station

(a) Only I follows (b) Only either II or IV follows (c) Only I and II follow (d) Only I and IV follow

(e) None of these

Ans. (e)

20. Statements :

Some towers are lanes Some lanes are roads Some roads are rivers Some rivers are jungles

Conclusions :

I. Some jungles are roads II. Some roads are lanes III. Some jungles are towers IV. No jungle is road

(a) Only I follows (b) Only II follows (c) Only either I or IV follows (d) Only IV follows

(e) Only either I or IV and II follow

Ans. (e)

Directions (21-25) : Study the following arrangement carefully and answer the questions given below-

BA M 3 # D 2 E K 9 \$ F @ N I T 4 1 U W Ó H 8% V J 5 Y 6 * 7 R

21. How many such symbols are there in the above arrangement each of which is either immediately preceded by a letter or immediately followed by a letter but not both?

(a) None (b) One (c) Two (d) Three (e) More than three

Ans. (d)

22. If all the symbols in the above arrangement are dropped which of the following will be the twelfth from the left end?

(a) 9 (b) U (c) I (d) 1 (e) None of these

Ans. (c)

23. How many such numbers are there in the above arrangement each of which is immediately followed by a consonant but not immediately preceded by a letter?

(a) None (b) One (c) Two (d) Three (e) More than three

Ans. (b)

24. 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) D K 3 (b) 4 N U (c) 8 J Ó (d) F K N (e) 5 * %

Ans. (e)

25. Which of the following is the seventh to the right of the eighteenth from the right end of the above arrangement?

(a) H (b) 9 (c) % (d) E (e) None of these

Ans. (a)

Directions (26-30) : In each question below is given a group of digits/ symbols followed by four combinations of letters numbered (a),(b),(c) and (d). You have to find out which of the combination correctly represents the group of digits/ symbols based on the following coding system and the conditions those follow. If digits, give (e) i.e. 'None of these' as the answer.

Digit/ Symbol 1 # \$ 9 8 6 % @ Ó 7 2 4 * 3 5

Letter Code B D E N I V R G H K T J P F A

Conditions

- (i) If both the first and the last elements in the group are odd digits then both are to be coded as Y.
- (ii) If the first element is a symbol and the last element is an even digit, the codes for the first and the last elements are to be interchanged
- (iii) If the first element is an odd digit, and the last element is a symbol, both are to be coded as 'Z'
- (iv) If the first element is an even digit and the last element ' is odd digit, both are to be coded as the code for the odd digit

26. 3\$95#1

- (a) FENADB (b) BENADF (c) ZENADZ (d) FENADF (e) None of these

Ans. (e)

27. 8%Ó3#5

- (a) YRHFDY (b) ARHFDI (c) ARHFDA (d) YRHFDA (e) None of these

Ans. (c)

28. Ó8143*\$

- (a) EIBJFPH (b) VIBJFPY (c) EIBJFP# (d) ZRGNDZ (e) None of these

Ans. (d)

29. 6%@9#3

- (a) VRGNDF (b) FRGNDF (c) YRGNDF (d) ZRGNDZ (e) None of these

Ans. (b)

30. *\$6724

- (a) JEVKTP (b) PEVKTJ (c) YEVKTY (d) ZEVKTZ (e) None of these

Ans. (a)

Directions (31-35) : 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 statements are sufficient to answer the question. Read both the statements and

Give answer (a) 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 (b) 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 question.

Give answer (c) if the data either in statement I alone or in statement II alone are sufficient to answer the question,

Give answer (d) if the data in both the statements I and II together are not sufficient to answer the question.

Give answer (e) if the data in both the statements I and II together are necessary to answer the question.

31. How is M related to F?

Statements :

I. F is sister of N who is mother of R II. M has two brothers of which one is R.

Ans. (d)

32. On which date in March was Pravin's father's birthday?

Statements :

I. Pravin correctly remembers that his father's birthday is after 14th but before 19th March

II. Pravin's sister correctly remembers that their father's birthday is after 17th but before 21st March

Ans. (e)

33. Among M, N, R and D each having different age who is the youngest?

Statements :

I. N is younger than only D among them II. T is older than R and younger than M

Ans. (e)

34. Village D in which direction of village H?

Statements :

I. Village H is to the South of village A which is to the South - East of village D

II. Village M is to the East of village D and to the North - East of village H

Ans. (c)

35. How is 'food' written in a code language?

Statements :

I. 'Always eat good food' is written as 'ha na pa ta' in that code language

II. 'Enjoy eating good food' is written as 'ni ha ja pa' in that code language

Ans. (c)

Quantitative Aptitude

Directions (36-55) : What should come in place of the question mark (?) in the following questions?

36. $(-251' 21' - 12) + ? = 158.13$

(a) 250 (b) 400 (c) 300 (d) 150 (e) None of these

Ans. (b)

37. $25.6\% \text{ of } 250 + \text{?} = 119$

(a) 4225 (b) 3025 (c) 2025 (d) 5625 (e) None of these

Ans. (b)

38. $36865 + 12473 + 21045 - 44102 = ?$

(a) 114485 (b) 28081 (c) 26281 (d) 114845 (e) None of these

Ans. (c)

39. $[(15.20)^2 - 103.04] , ? = 8$

(a) 12 (b) 6.5 (c) 8.2 (d) 16 (e) None of these

Ans. (d)

40. $\frac{0.4' 1.5}{0.2} = ?$

0.2 = ?

(a) 2 (b) 3 (c) 1.2 (d) 0.3 (e) None of these

Ans. (b)

41. $7428 \times \frac{3}{4} \times \frac{2}{9} = ? = 619$

(a) 0.5 (b) 1.5 (c) 0.2 (d) 2.4 (e) None of these

Ans. (a)

42. $(560 \div 32) \times (720 \div 48) = ?$

(a) 262.5 (b) 255 (c) 263.5 (d) 271.25 (e) None of these

Ans. (a)

43. $748 \times ? \times 9 = 861696$

(a) 122 (b) 132 (c) 128 (d) 124 (e) None of these

Ans. (c)

44. 3.2% of 500 + 2.4% of ? = 288

(a) 650 (b) 700 (c) 600 (d) 750 (e) None of these

Ans. (d)

45. $333 \times 33 \times 3 = ?$

(a) 32697 (b) 36297 (c) 32679 (d) 39267 (e) None of these

Ans. (e)

46. $[(36)^2 + (47)^2] \div ? = 28.04$

(a) 55 (b) 75 (c) 105 (d) 125 (e) None of these

Ans. (d)

47. $3^{\sqrt{2}} = (28 \times 24) + 14$

(a) 85184 (b) 140608 (c) 97336 (d) 117649 (e) None of these

Ans. (e)

48. $14785 - 358 - 4158 - 9514 = ?$

(a) 755 (b) 825 (c) 721 (d) 785 (e) None of these

Ans. (a)

49. $156 + 328 \times 0.8 = ?$

(a) 287.2 (b) 352.8 (c) 418.4 (d) 451.2 (e) None of these

Ans. (c)

50. $1148 \div 28 \times 1408 \div 32 = ?$

(a) 1800 (b) 1804 (c) 1814 (d) 1822 (e) None of these

Ans. (b)

51. $3^{\sqrt{148877}} = ?$

(a) 51 (b) 59 (c) 53 (d) 49 (e) None of these

Ans. (c)

52. $1425 + 8560 \div 1680 \times 200 = ?$

(a) 58.325 (b) 9973.4 (c) 56.425 (d) 9939.4 (e) None of these

Ans. (e)

53. $[(12)^2 \times (14)^2] \div (16)^2 = ?$

(a) 282.24 (b) 1764 (c) 126 (d) 104.25 (e) None of these

Ans. (e)

54.2 $4/25 + 3\ 1/5$?

- (a) $1\ 7/15$ (b) $6\ 4/25$ (c) $6\ 4/15$ (d) $5\ 9/25$ (e) None of these

Ans. (d)

CAMPUSPRO