**REASONING**

1) If NOIDA is written as OPJEB, then what will be the code for DELHI?

1. EFMAK
2. EFAMK
3. EFMIJ
4. EFMIK

2) If AIRLINE is written as ENILRIA7, then RAILWAY will be written as -

1. YAWLIAR7
2. YAWLIAR8
3. YAWILAR7
4. YAWILAR8

3) If CAT is coded as PATC, JOY is coded as POYJ; similarly the word WING will be coded as -

1. PIGNW
2. PINGW
3. PGNIW
4. PIWGN

4) Which number should come next in the series 1, 2, 3, 10, \_\_\_

1. 79
2. 99
3. 89
4. 98

5) Which number is wrong in the series 2, 6, 15, 31, 56, 93?

1. 6
2. 31
3. 56
4. 93

6) The number comes next in the series 12, 36, 109, 329, ... -

1. 900
2. 990
3. 890
4. None of the above

7) Suppose a series is 6, 11, 21, 36, 56, ? the number comes at the place of question mark in the given series is -

1. 91
2. 21
3. 52
4. 81

8) Suppose a series is 1, 9, 25, 49, ?, 121, the number comes at the place of question mark in the given series is -

1. 91
2. 21
3. 52
4. 81

9) The number comes after the series 8, 28, 116, 584, ...... -

1. 3504
2. 3507
3. 3508
4. 3509

10) What will be the next number in the series 13, 17, 19, 23, 29, .......?

1. 31
2. 33
3. 35
4. 37

11) What will be the missing number in the series 196, 169, 144, \_\_, 100, 81?

1. 121
2. 120
3. 119
4. 118

12) Which number comes next in the series 1536, 384, 96, \_\_\_?

1. 23
2. 24
3. 28
4. 18

13) If PINK is coded as 1691411, then RED will be coded as -

1. 1963
2. 1854
3. 1853
4. 1954

14) Which of the following is the odd one from the given alternatives?

1. Driving
2. Diving
3. Swimming
4. Sailing

15) Which of the following is the odd number from the given alternatives?

1. 1090
2. 962
3. 626
4. 841

16) Statement 1: John runs faster than George

Statement 2: Tom runs faster than John

Statement 3: George runs faster than Tom

If statement 1 and statement 2 are true, statement 3 will be -

1. true
2. false
3. uncertain
4. None of the above

17) Statement 1: A is bigger than B but shorter than C

Statement 2: D is smaller than C and bigger than A

Statement 3: B is greater than D

If statement 1 and statement 2 are true, statement 3 will be -

1. true
2. false
3. uncertain
4. None of the above

18) Arrange the following words in a meaningful sequence -

1. Frog

2. Grass

3. Grasshopper

4. Eagle

5. Snake

1. 2, 3, 1, 5, 4
2. 3, 2, 1, 4, 5
3. 2, 1, 3, 4, 5
4. 4, 5, 1, 3, 2

19) Arrange the following words in a meaningful sequence -

1. Sun

2. Rain

3. Child

4. Rainbow

5. Happy

1. 2, 1, 4, 3, 5
2. 3, 2, 1, 4, 5
3. 2, 1, 3, 4, 5
4. 4, 5, 1, 3, 2

20) Arrange the following words in a meaningful sequence -

1. Plant

2. Seed

3. Dough

4. Bread

5. Grain

1. 2, 1, 5, 3, 4
2. 3, 2, 1, 4, 5
3. 2, 1, 3, 4, 5
4. 4, 5, 1, 3, 2

21) Marathon is to race as hibernation is to -

1. winter
2. summer
3. sleep
4. bear

22) Hypsiphobia: Height :: Hylophobia: ?

1. Forests
2. Animals
3. Water
4. All of the above

23) The day before yesterday was Saturday. What will be the day after tomorrow?

1. Thursday
2. Friday
3. Wednesday
4. Monday

24) Statement: It is suggested to put a child in school at the age of 4.

**Assumptions:**

i) Schools do not admit children after the age of 4.

ii) At this age, the child is ready to learn new things.

1. Assumption 1 is true.
2. Assumption 2 is true.
3. Both assumptions 1 and 2 are true.
4. Neither assumption 1 true nor assumption 2 true.

25) Statement: If it is easy to become a doctor, I don't want to be a doctor.

**Assumptions:**

i) A candidate wants to be professional.

ii) One wants to achieve a thing which is hard-earned.

1. Assumption 1 is true.
2. Assumption 2 is true.
3. Both assumptions 1 and 2 are true.
4. Neither assumption 1 true nor assumption 2 true.

26) A book always has -

1. Pages
2. Story
3. Binding
4. Content

27) A hospital always has -

1. Doctor
2. Nurse
3. Bed
4. None of the above

28) Drama : Stage :: Tennis : ?

1. Net
2. Court
3. Tournament
4. Racket

29) Which of the following set of letters complete the letter series, when sequentially placed at the gaps?

\_ ab \_ b \_ aba \_ \_ abab

1. abbab
2. abbaa
3. abaab
4. aaaba

30) Which of the following set of letters complete the letter series, when sequentially placed at the gaps?

bca \_ b \_ aabc \_ a \_ caa

1. ccab
2. bcbb
3. acab
4. cbab

31) I. All flowers in the garden are red.

II. Some of the flowers are roses.

III. All roses in the garden are red.

If the first two statements are true, the third statement is

1. False
2. True
3. Uncertain
4. None of the above

32) If the word 'LION' is coded as LMGJ. How is 'MILK' written in that code?

1. JKFL
2. KLIM
3. KILM
4. IJGK

33) Arrange the following words in a meaningful sequence -

1. Selection

2. Probation

3. Interview

4. Appointment

5. Advertisement

6. Application

1. 5, 6, 3, 1, 4, 2
2. 5, 3, 1, 6, 4, 2
3. 1, 6, 3, 5, 4, 2
4. 2, 6, 3, 1, 5, 4

34) Arrange the following words in a meaningful sequence -

1. Bill

2. Treatment

3. Doctor

4. Diagnosis

5. Patient

1. 5, 3, 4, 2, 1
2. 1, 2, 3, 4, 5
3. 3, 2, 1, 4, 2
4. 2, 5, 3, 1, 4

35) Which of the following is different from others?

1. Barber
2. Blacksmith
3. Tailor
4. Carpenter

36) Which of the following pairs of words are differently related?

1. Kind : Cruel
2. Slow : Sluggish
3. Stale : Fresh
4. Truth : Lie

37) A thermometer is to temperature as a compass is to -

1. Needle
2. Pressure
3. Direction
4. None of the above

38) Assertion (A): The earthworms reduce the fertility of the soil.

Reason (R): They make the soil soft and porous.

1. A is true, but R is false.
2. A is false, but R is true.
3. Both A and R is true.
4. Both A and R is false.

39) Assertion (A): Diamond is used for cutting the glass.

Reason (R): The refractive index of diamond is high.

1. A is true, but R is false.
2. A is false, but R is true.
3. Both A and R is false.
4. Both A and R is true, but R is not the correct explanation of A.
5. Both A and R is true, and R is the correct explanation of A.

41) Which of the following set of letters complete the letter series, when sequentially placed at the gaps?

a \_ cdaab \_ cc \_ daa \_ bbb \_ ccddd

1. bbdac
2. aacbb
3. dbbca
4. bbabc

42) Raman says "Anuj's mother is the only daughter of my mother." How is Anuj related to Raman?

1. Brother
2. Nephew
3. Father
4. None of the above

43) Looking at the portrait of a man, Mohan said, "His mother is the wife of my father's son and I have no brother and sister." at whose portrait was Mohan looking?

1. His sister
2. His son
3. His cousin
4. His nephew

44) Pointing to an image Madhu tells Sohan, "I am the only daughter of this lady, and her son is your maternal uncle." How is the Madhu related to Sohan's father?

1. Sister
2. Wife
3. Sister-in-law
4. None of the above

45) Pointing to a woman, a man said, "Her father is the only son of my father." How is the man related to the woman?

1. Grandfather
2. Father
3. Son
4. None of the above

46) Pointing to a man in the photograph a woman said, "He is the son of the only son of my grandfather." How the man in the photograph is related to that woman?

1. Grandfather
2. Father
3. Brother
4. Insufficient data

47) A is the mother of B

B is the sister of C

C is the father of D. So, how A is related to D?

1. Grandmother
2. Mother
3. Aunt
4. Insufficient data

48) A factory always has -

1. Files
2. Workers
3. Air conditioners
4. Chimneys

49) What will be the missing letters in the series BKK, DMM, FOO, \_\_, JSS?

1. HTT
2. HQQ
3. HPP
4. None of the above

50) What will be the missing letters in the series EQ, FS, HW, KA, \_\_, TL?

1. AL
2. OF
3. HP
4. None of the above

51. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P?

a. A

b. X

c. S

d. Z

52. There are 8 houses in a line and in each house only one boy lives with the conditions as given below:

1. Jack is not the neighbour Siman.
2. Harry is just next to the left of Larry.
3. There is at least one to the left of Larry.
4. Paul lives in one of the two houses in the middle.
5. Mike lives in between Paul and Larry.

If at least one lives to the right of Robert and Harry is not between Taud and Larry, then which one of the following statements is not correct?

a. Robert is not at the left end.

b. Robert is in between Simon and Taud.

c. Taud is in between Paul and Jack.

d. There are three persons to the right of Paul.

53. A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting?

a. Between B and D

b. Between B and C

c. Between E and D

d. Between C and E

54. One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?

a. East

b. West

c. North

d. South

55. Y is in the East of X which is in the North of Z. If P is in the South of Z, then in which direction of Y, is P?

a. North

b. South

c. South-East

d. None of these

56. If South-East becomes North, North-East becomes West and so on. What will West become?

a. North-East

b. North-West

c. South-East

d. South-West

57. A man walks 5 km toward south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. Now in which direction is he from the starting place?

a. West

b. South

c. North-East

d. South-West

58. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M. ?

a. South-East

b. South

c. North

d. West

59. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?

a. Brother

b. Uncle

c. Cousin

d. Father

60. If A + B means A is the mother of B; A - B means A is the brother B; A % B means A is the father of B and A x B means A is the sister of B, which of the following shows that P is the maternal uncle of Q?

a. Q - N + M x P

b. P + S x N - Q

c. P - M + N x Q

d. Q - S % P

61. If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?

a. Brother

b. Sister

c. Nephew

d. Cannot be determined

62. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

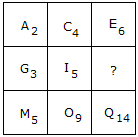
a. Brother

b. Nephew

c. Uncle

d. Son-in-law

63. Which one will replace the question mark?



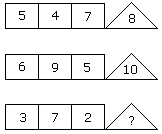
a. L10

b. K15

c. I15

d. K8

64. Which one will replace the question mark?



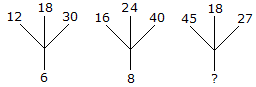
a. 1

b. 4

c. 3

d. 6

65. Which one will replace the question mark?



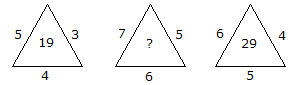
a. 18

b. 12

c. 9

d. 6

66. Which one will replace the question mark?



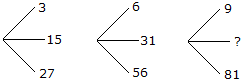
a. 25

b. 37

c. 41

d. 47

67. Which one will replace the question mark?



a. 45

b. 41

c. 32

d. 40

68. Arrange the words given below in a meaningful sequence.

|  |  |  |
| --- | --- | --- |
| 1. Key | 2. Door | 3. Lock |
| 4. Room | 5. Switch on |  |

a. 5, 1, 2, 4, 3

b. 4, 2, 1, 5, 3

c. 1, 3, 2, 4, 5

d. 1, 2, 3, 5, 4

69. Arrange the words given below in a meaningful sequence.

|  |  |  |
| --- | --- | --- |
| 1. Word | 2. Paragraph | 3. Sentence |
| 4. Letters | 5. Phrase |  |

a. 4, 1, 5, 2, 3

b. 4, 1, 3, 5, 2

c. 4, 2, 5, 1, 3

d. 4, 1, 5, 3, 2

70. Arrange the words given below in a meaningful sequence.

|  |  |  |
| --- | --- | --- |
| 1. Police | 2. Punishment | 3. Crime |
| 4. Judge | 5. Judgement |  |

a. 3, 1, 2, 4, 5

b. 1, 2, 4, 3, 5

c. 5, 4, 3, 2, 1

d. 3, 1, 4, 5, 2

71. Arrange the words given below in a meaningful sequence.

|  |  |  |
| --- | --- | --- |
| 1. Family | 2. Community | 3. Member |
| 4. Locality | 5. Country |  |

a. 3, 1, 2, 4, 5

b. 3, 1, 2, 5, 4

c. 3, 1, 4, 2, 5

d. 3, 1, 4, 5, 2

72. Arrange the words given below in a meaningful sequence.

|  |  |  |
| --- | --- | --- |
| 1. Poverty | 2. Population | 3. Death |
| 4. Unemployment | 5. Disease |  |

a. 2, 3, 4, 5, 1

b. 3, 4, 2, 5, 1

c. 2, 4, 1, 5, 3

d. 1, 2, 3, 4, 5

73. 120, 99, 80, 63, 48, ?

a. 35

b. 38

c. 39

d. 40

74. 589654237, 89654237, 8965423, 965423, ?

a. 58965

b. 65423

c. 89654

d. 96542

75. 3, 10, 101,?

a. 10101

b. 10201

c. 10202

d. 11012

76. In the series 2, 6, 18, 54, ...... what will be the 8th term ?

a. 4370

b. 4374

c. 7443

d. 7434

77. 125,80,45, 20, ?

a. 5

b. 8

c.10

d. 12

**78. Statements:** Some actors are singers. All the singers are dancers.

**Conclusions:**

1. Some actors are dancers.
2. No singer is actor.

a. Only (1) conclusion follows

b. Only (2) conclusion follows

c. Either (1) or (2) follows

d. Neither (1) nor (2) follows

e. Both (1) and (2) follow

**79. Statements:** All the harmoniums are instruments. All the instruments are flutes.

**Conclusions:**

1. All the flutes are instruments.
2. All the harmoniums are flutes.

a. Only (1) conclusion follows

b. Only (2) conclusion follows

c. Either (1) or (2) follows

d. Neither (1) nor (2) follows

e. Both (1) and (2) follow

**80. Statements:** Some mangoes are yellow. Some tixo are mangoes.

**Conclusions:**

1. Some mangoes are green.
2. Tixo is a yellow.

a. Only (1) conclusion follows

b. Only (2) conclusion follows

c. Either (1) or (2) follows

d. Neither (1) nor (2) follows

e. Both (1) and (2) follow

**81. Statements:** Some ants are parrots. All the parrots are apples.

**Conclusions:**

1. All the apples are parrots.
2. Some ants are apples.

a. Only (1) conclusion follows

b. Only (2) conclusion follows

c. Either (1) or (2) follows

d. Neither (1) nor (2) follows

e. Both (1) and (2) follow

**82. Statements:** Some papers are pens. All the pencils are pens.

**Conclusions:**

1. Some pens are pencils.
2. Some pens are papers.

a. Only (1) conclusion follows

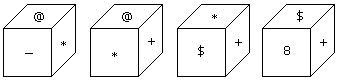
b. Only (2) conclusion follows

c. Either (1) or (2) follows

d. Neither (1) nor (2) follows

e. Both (1) and (2) follow

83. Which symbol will be on the face opposite to the face with symbol \* ?



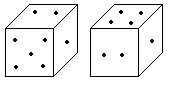
a. @

b. $

c. 8

d. +

84. Two positions of dice are shown below. How many points will appear on the opposite to the face containing 5 points?



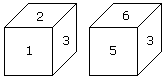
a. 3

b. 1

c. 2

d. 4

85. Which digit will appear on the face opposite to the face with number 4?



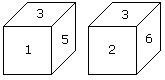
a. 3

b. 5

c. 6

d. 2/3

86. Two positions of a dice are shown below. Which number will appear on the face opposite to the face with the number 5?



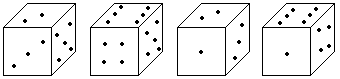
a. 2/6

b. 2

c. 6

d. 4

87. How many points will be on the face opposite to in face which contains 2 points?



a. 1

b. 5

c. 4

d. 6

88. Which of the following diagrams indicates the best relation between Travelers, Train and Bus ?

a. 

b. 

c. 

d. 

89. Which of the following diagrams indicates the best relation between Profit, Dividend and Bonus ?

a. 

b. 

c. 

d. 

90. Which of the following diagrams indicates the best relation between Women, Mothers and Engineers?

a. 

b. 

c. 

d. 

91. Which of the following diagrams indicates the best relation between Factory, Product and Machinery?

a. 

b. 

c. 

d. 

92. Which of the following diagrams indicates the best relation between Author, Lawyer and Singer ?

a. 

b. 

c. 

d. 

93. Find the number of triangles in the given figure.



a. 8

b. 10

c. 12

d. 14

94. Find the number of triangles in the given figure.



a. 22

b. 24

c. 26

d. 28

95. Find the number of triangles in the given figure.



a. 18

b. 20

c. 24

d. 27

96. Choose the figure which is different from the rest.



   (1)     (2)     (3)     (4)     (5)

a. 1

b. 2

c. 3

d. 4

e. 5

97. Choose the figure which is different from the rest.



   (1)     (2)     (3)     (4)     (5)

a. 1

b. 2

c. 3

d. 4

e. 5

98. Choose the figure which is different from the rest.



   (1)     (2)     (3)     (4)     (5)

a. 1

b. 2

c. 3

d. 4

e. 5

99. Choose the figure which is different from the rest.



   (1)     (2)     (3)     (4)     (5)

a. 1

b. 2

c. 3

d. 4

e. 5

100. Choose the figure which is different from the rest.



   (1)     (2)     (3)     (4)     (5)

a. 1

b. 2

c. 3

d. 4

e. 5

**Answer Keys**

1. (c) EFMIJ

2. (a) YAWLIAR7

3. (b) PINGW

4. (b) 99

5. (d) 93

6. (b) 990

7. (d) 81

8. (d) 81

9. (c) 3508

10. (a) 31

11. (a) 121

12. (b) 24

13. (b) 1854

14. (a) Driving

15. (d) 841

16. (b) false

17. (b) false

18. (a) 2, 3, 1, 5, 4

19. (a) 2, 1, 4, 3, 5

20. (a) 2, 1, 5, 3, 4

21. (c) sleep

22. (a) Forests

23. (c) Wednesday

24. (b) Assumption 2 is true

25. (b) Assumption 2 is true

26. (a) Pages

27. (a) Doctor

28. (b) Court

29. (d) aaaba

30. (c) acab

31. (b) True

32. (d) IJGK

33. (a) 5, 6, 3, 1, 4, 2

34. (a) 5, 3, 4, 2, 1

35. (a) Barber

36. (b) Slow : Sluggish

37. (c) Direction

38. (b) A is false, but R is true.

39. (d) Both A and R is true, but R is not the correct explanation of A.

40. (a) A is true, but R is false.

41. (a) bbdac

42. (b) Nephew

43. (b) His son

44. (b) Wife

45. (b) Father

46. (c) Brother

47. (a) Grandmother

48. (b) Workers

49. (b) HQQ

50. (b) OF

51. (b) X

52. (c) Taud is in between Paul and Jack.

53. (b) Between B and C

54. (C) North

55. (d) None of these

56. (c) South-East

57. (d) South-West

58. (d) West

59. (d) Father

60. (c) P - M + N x Q

61. (d) Cannot be determined

62. (a) Brother

63. (d) K8

64. (d) 6

65. (c) 9

66. (c) 41

67 (a) 45

68. (c)

69. (d)

70. (d)

71. (a)

72. (c)

73. (a)

74. (d)

75. (c)

76. (b)

77. (a)

78. (a)

79. (b)

80. (d)

81. (b)

82. (e)

83. (c)

84. (d)

85. (a)

86. (c)

87. (d)

88. (c)

89. (b)

90. (a)

91. (d)

92. (b)

93. (d)

94. (d)

95. (c)

96. (a)

97. (c)

98. (d)

99. (a)

100. (b)