JAGRAN
Josh
your guide to success

SSC COMBINED MATRIC LEVEL(Pre) EXAM
General Intelligence Solved Question
Paper – 2002(First Shift)

Directions : In question nos. 1 to 8, select the related letter/ word/ number/ figure from the given responses.

1. Microphone : Loud : : Microscope : ?
   (1) Elongate
   (2) Investigate
   (3) Examine
   (4) Magnify

2. NATION : ANTINO :: HUNGRY : ?
   (1) HNUGRY
   (2) UNHGYR
   (3) YRNGUH
   (4) UHNGYR

3. Cup : Lip : : Bird : ? .
   (1) Forest
   (2) Bush
   (3) Wood
   (4) Grass

4. Glove : Hand : : _?_ : _?_
   (1) Neck : Collar
   (2) Tie : Shirt
   (3) Socks : Feet
   (4) Coat : Pocket

5. K/T : 11/20 :: J/R : ?
   (1) 10/18
   (2) 11/19
   (3) 10/8
   (4) 9/10

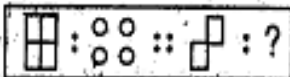6. 8 : 24 : : ? : 32
   (1) 5
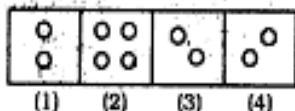   (2) 6
   (3) 8
   (4) 10

7. **Question Figures :**
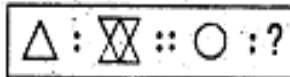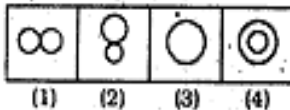
   Answer Figures :

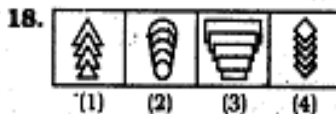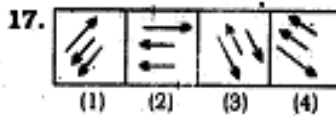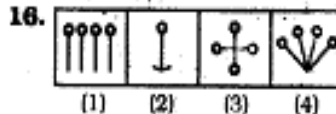8. **Question Figures :**

   Answer Figures :

Directions : In question nos. 9 to 18, select the one which is different from the other three responses.

9. (1) Lemon
   (2) Orange
   (3) Apple
   (4) Grapefruit

10. (1) Paper – White
    (2) Sky – Blue
    (3) Cassette – Song
    (4) Leaf – Green

11. (1) Boxing
    (2) Wrestling
    (3) Karate
    (4) Long jump

12. (1) Red
    (2) Blue
    (3) Yellow
    (4) Black

13. (1) OCKN
    (2) WRIL
    (3) NPOS
    (4) ORNK

14. (1) FGBC
    (2) IJOP
    (3) ACEG
    (4) LMHI

15. (1) ADHL
    (2) ILPT
    (3) QSTX
    (4) FIMQ

16.

17.

18.

19. Select the number which is **incorrect** in the following series:
    14, 11, 13, 10, 12, 8
    (1) 12
    (2) 14
    (3) 11
    (4) 8

20. A series of figures are given which can be grouped into classes. Select the group into which the figures can be classified from the given responses.
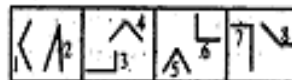
    (1) 2, 4, 5, 7; 1, 3, 6, 8
    (2) 1, 4, 5, 8; 2, 3, 6, 7

    (3) 2, 3, 5, 7; 1, 4, 6, 8
   (4) 1, 2, 5, 8; 3, 4, 6, 7

21. Find out the set among the four sets which is like the given set.
    Given set: (9, 81, 729)
    (1) (3, 9, 30)
    (2) (7, 49, 343)
   (3) (12, 144, 221)
    (4) (6, 36, 92)

Directions : In question nos. 22 to 31, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

22. Z, T, O, K, H, ?
    (1) G
    (2) F
    (3) E
    (4) C

23. I, W, K, U, M, S, O, Q, ?
    (1) P
    (2) L
    (3) Q
    (4) M

24. 6, 7, 15, 46, 185, ?
    (1) 926
    (2) 1851
    (3) 271
    (4) 230

25. 0, 7, 26, 63, 124, ?
    (1) 196
    (2) 204
    (3) 212
    (4) 215

26. 0, 6, 24, ?, 120, 210
    (1) 60
    (2) 62
    (3) 64
    (4) 66

27. 2, 6, 8, 14, 22, 36, ?, 94
    (1) 48
    (2) 49
    (3) 57
    (4) 58

28. 0.01, 0.04, 0.09, ?
    (1) 0.016
    (2) 1.6
    (3) 0.16
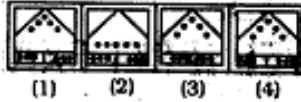   (4) 0.106

29. **Question Figures :**
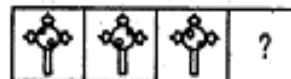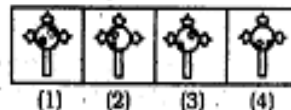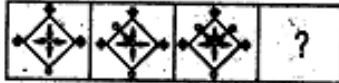

    Answer Figures :
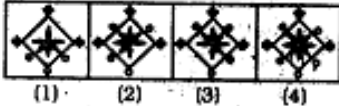

30. **Question Figures :**

Answer Figures :

31. Question Figures :

Answer Figures :

32. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

aa-b-abc-ac-a-de

(1) babcc   (2) aaada

(3) abade   (4) abaad

Directions : In question nos. 33 and 34, which one of the given responses would be a meaningful order of the following ?

33. 1. Windows
    2. Walls
    3. Floor
    4. Foundation
    5. Roof
    6. Room

(1) 4, 5, 3, 2, 1, 6

(2) 4, 2, 1, 5, 3, 6

(3) 4, 1, 5, 6, 2, 3

(4) 4, 3, 5, 6, 2, 1,

34. 1. Leaf   2. Root
    3. Branch   4. Stem
    5. Flower

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

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

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

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

35. Which of the given words will come fourth in the dictionary ?

Minister, Mineralogy, Minnow, Miniature, Mink

(1) Mink   (2) Miniature

(3) Minnow   (4) Mineralogy

36. Which of the given words will come third in the dictionary ?

Charm, Chasm, Chase, Chart

(1) Charm   (2) Chasm

(3) Chase   (4) Chart

37. In the following letter series, the number of letters skipped between adjacent letters in the series increases by one. Which of the following series observes the rule ?

(1) GKMOWYB

(2) HJMQVBI

(3) HLOSVYA

(4) JKVYBMO

38. The given equations follow the same rule. Find the missing number according to it.

$3 + 8 - 4 = 6$, $4 + 6 - 8 = 3$,

$2 + 8 - 8 = 2$, $5 + 8 - 4 = ?$

(1) 8   (2) 9

(3) 10   (4) 11

39. If '+' stands for subtraction, '+' stands for addition, '–' stands for multiplication and 'x' stands for division, then which one of the following equations is correct?

(1) $46 - 10 + 10 \times 5 = 92$

(2) $265 + 11 - 2 \times 14 = 22$

(3) $66 \times 3 - 11 + 12 = 230$

(4) $2 - 14 \times 4 + 11 = 16$

40. Which one of the following is **wrong** ?

(1) $\frac{9}{4} + 1.75 = 4$

(2) $\frac{9}{5} + 2.2 = 4$

(3) $\frac{6}{5} + 2.8 = 4$

(4) $\frac{3}{2} + 1.5 = 4$

41. What is the sum of the squares of the digits 1 to 9 ?

(1) 105   (2) 385

(3) 260   (4) 285

42. Each letter of the alphabet from A to Z has been given a value from 1 to 26 serially. What is the total value of the following word ?

CONSTITUTIONAL

(1) 179   (2) 142

(3) 192   (4) 160

43. If A = 2, R = 5, S = 7, O = 3 and E = 4 the sum of the letters of which word will give the highest number ?

(1) ROSE   (2) SEER

(3) SOAR   (4) REAR

44. If the day after tomorrow is Tuesday what day will be two days after the day after tomorrow be?

(1) Monday   (2) Wednesday

(3) Saturday   (4) Thursday

45. The number of apples in a basket doubles every minute. If the basket is full of apples in an hour, when was the basket half-filled ?

(1) 38 minutes

(2) 55 minutes

(3) 47 minutes

(4) 59 minutes

46. Tell the number of days from 26 January 2006 to 23 September 2006 (including both dates).

(1) 214   (2) 241

(3) 249   (4) 251

47. Ramya has 52 marbles. If Janani had 9 more than what she now has, she would have half as many as Ramya. How many marbles are there with Janani now ?

(1) 17   (2) 15

(3) 26   (4) 35

48. If two days before yesterday was Friday, what day will be day after tomorrow ?

(1) Monday   (2) Sunday

(3) Saturday   (4) Wednesday

49. 10^{11} or 11^{10}–which is the greater number ?

(1) Both are equal

(2) $10^{11} > 11^{10}$

(3) $11^{10} > 10^{11}$

(4) Cannot be determined without using tables

50. Sathi is older than Renu. Geetha is younger than Renu. Priya is older than Sathi. Who is the oldest of them ?

(1) Priya   (2) Sathi

(3) Renu   (4) Geetha

51. There are 8 members in a friends group who greet each other on the Deepawali day be sending cards. How many greeting cards will be used for this purpose by this group ?

(1) 50   (2) 64

(3) 56   (4) 60

52. My father is 21 years older than me. In 12 years time, his age will be twice mine. How old am I now ?
(1) 9 years (2) 8 years
(3) 10 years (4) 11 years

53. A cube is painted red on all the six sides. It is then cut into 27 equal cubes. How many cubes are coloured on one face only ?
(1) 0 (2) 6
(3) 8 (4) 18

54. Raman is a student of 10th class.. In his class, his position is 16th from the top and 49th from the bottom. What is the total number of the students in the class ?
(1) 64 (2) 65
(3) 66 (4) 63

55. A man starts from a point, walks 15 metres towards East, turns left and walks 10 metres, turns right again and walks. Towards which direction is he now walking ?
(1) North (2) East
(3) West (4) South

56. The age of Ram is double that of Shyam and half the of Sohan. Shyam is older than Mohan. Who is the oldest ?
(1) Mohan (2) Ram
(3) Sohan (4) Shyam

57. Today is Friday. On the last Monday the date was 29th December, 1975. The date today is
(1) 28 December, 1975
(2) 3rd January, 1976
(3) 2nd January, 1976
(4) 2nd January, 1975

58. Five boys A, B, C, D, E are in a row. A is on the right of B, E is on the left of B but on the right of C and A is on the left of D. Who is second from the-left?
(1) D (2) A
(3) E (4) B

59. A large sheet of paper is cut into two halves. The two halves are put together i.e. one above the other and again cut into halves. How many pieces will there be for ten such cuttings ?

(1) 20 (2) 512
(3) 1024 (4) 2048

60. A is B's brother, C is A's mother, D is C's father, F is A's son. How is F related to D ?
(1) Son
(2) Grandson
(3) Great grandson
(4) Grand–daughter

61. A boy starts walking towards West, he turns right and again he turns right and then turns left at last. Towards which direction is he walking now ?
(1) West (2) North
(3) South (4) East

62. I stand with my right hand extended side–ways towards South. Towards which direction will my back be ?
(1) North (2) West
(3) East (4) South

63. A clock with only dots marking 3, 6, 9 and 12 positions has been kept upside down in front of a mirror. In the reflection a time of 4.15 will look approximately like
(1) 2.15 (2) 8.45
(3) 8.50 (4) 9.45

Directions: In question nos. 64 to 67, select the missing number from the given responses.

64.

16   64   256
1 ⑩ 9 25 ㉗ 100 26 ⑦ 144
4   16   64

(1) 37 (2) 47
(3) 06 (4) 42

65. 16 (27) 43, 29 (?) 56,
47 (22) 25
(1) 27 (2) 17
(3) 37 (4) 07

66.

(1) 10 (2) 15
(3) 13 (4) 12

7. If 19 × 6 = 38
32 × 12 = 128

17 × 9 = 51
9 × 3 = ?
(1) 9 (2) 18
(3) 27 (4) 35

68. From the given responses select the one which **cannot** be formed using the letters of the word given below.
GOVERNMENT
(1) ENTER (2) MERGE
(3) VETERAN (4) GREET

69. Form the given responses select the one which **cannot** be formed using the letters of the word given below.
SKYSCRAPER
(1) RAKE (2) RARE
(3) PERK (4) RISK

Directions : In question nos. 70 to 72, a statement(s) is/are given followed by two assumptions I and II. State which one is implicit in (valid from) the given statement(s). Indicate your answer from the four alternatives given below.

70. Statement : If only the government takes up drastic steps to root out corruption our country will march towards prosperity.
Assumptions:
I. The government is the only authority to take strong action against corrupt people.
II. Corruption hinders the country's march towards prosperity.
(1) Only I is implicit
(2) Only II is implicit
(3) Both I and II are implicit
(4) Neither I nor II is implicit

71. Statement : Keeping the premises clean is not the responsibility of the government but that of the individual.
Assumptions :
I. The government should share the blame for unclean premises.
II. The individual has a role to play in keeping the premises clean.
(1) Only I is implicit
(2) Only II is implicit

(3) Both I and II are implicit
(4) Neither I nor II are implicit

72. Statement :
1. All girls do not like to marry.
2. Some girls do not marry.
Assumptions :
I. All girls like to marry.
II. All girls do not marry.
(1) I is valid
(2) II is valid
(3) Both I and II are valid
(4) Both I and II are invalid

73. The moon is more useful than the sun because the former gives us light when we really need it, while the latter gives us light during the day when we do not need it.
The inference is foolish because
(1) The moon has no light of its own
(2) Whenever there is moon at night, it is not dark
(3) It is the sun that makes the day
(4) The moon is not so bright as the sun

74. If the given letters are represented by the numerals below them,

R	T	S	U	V	A	B	C	D	E
8	5	2	0	6	7	9	1	3	4

then, 408927 = ?
(1) EURSBA
(2) ESRBSA
(3) EURBSA
(4) ESRBAS

75. If A = 1 and ASS = 39, GRASS = ?
(1) 64
(2) 63
(3) 46
(4) 44

76. How many times does the number 8 occur between the numbers 1 and 99 ?
(1) 10
(2) 9
(3) 20
(4) 19

77. How many 6's are there in the following number series which are followed by 7 ?
8 6 7 7 2 6 7 6 5 9 6 7 6 7 7 6 7 7 6
(1) 8
(2) 5
(3) 7
(4) 6

78. In the following list of English alphabets one alphabet has not been used. Identity the same.
T N T B L C G D N A K G C H
I K Q B R Y L W N L U G X A
Z F B G Z I W H V M U K O S
V P X E K Y
(1) M
(2) I
(3) F
(4) J

79. In the following list of numbers how many 9's are followed by 1 but not preceded by 8 ?
1 8 9 1 3 5 7 9 1 3 9 1 5 7 9 8 6 9 1 4 2 0 8 6 4 9 1 2
(1) 3
(2) 6
(3) 4
(4) 5

80. If SSC is written as 19193, how will BBC be written ?
(1) 113
(2) 221
(3) 223
(4) 213

81. In the following letter series, how many times do L, M, N occur in such a way the M is in the middle of N and L ?
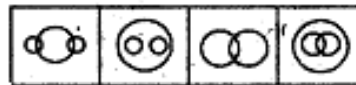N Z L X M N L M Y N M L Y M L N L M B Z A M X L N Y
(1) 4
(2) 3
(3) 2
(4) 1

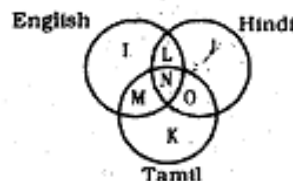**82.** Which of the following diagrams represents the relationship of Professors, Doctors, Men ?

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

83. Which of the following diagrams represents the relationship of Profit, Dividend, Bonus ?
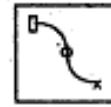

(1) (2) (3) (4)

84. Study the diagram and identify the people who speak only one language.
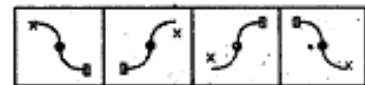

(1) L + M + O
(2) K + J + I
(3) K
(4) I

85. Question Figure:

M _____ N
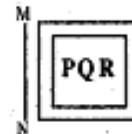
Answer Figures :
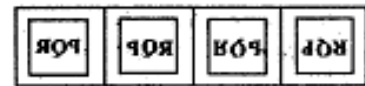

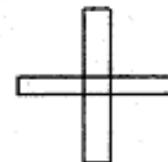(1) (2) (3) (4)

86. Question Figure :

Answer Figures :

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

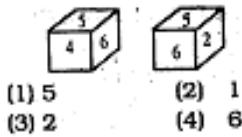**87.** The figure below is a drawing of a pile of blocks. When taken apart, how many blocks would be there ?

(1) 3
(2) 5
(3) 7
(4) 13

88. How many rectangles are formed in the figure given below?
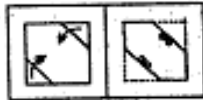

(1) 10
(2) 11
(3) 12
(4) 13

89. Two positions of a dice are shown below. When 4 is at the top what number will be at the bottom ?
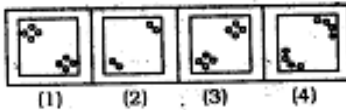
(1) 5   (2) 1
(3) 2   (4) 6

90. A piece of paper is folded and punched as shown below. From the given responses indicate how it will appear when opened.
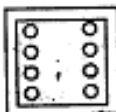
Question Figure :
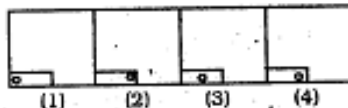

Answer Figures :

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

91. A square paper is folded in a particular manner and a punch is made. When unfolded the paper appears as given below in the question figure. Find out the manner in which the paper is folded and punch is made from the given answer figures.
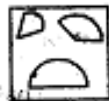
Question Figure :

Answer Figures :
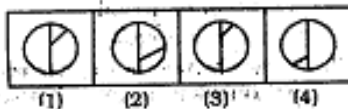

(1)   (2)   (3)   (4)

Directions : For question nos. 92 and 93. Among the four answer figures which can be formed from the cut out pieces given below.

92. Question Figure :

Answer figures :

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

93. Question Figure :

Answer Figures :

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

94. Which of the answer figures is embedded in the question figure?

Question Figure :

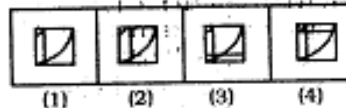
Answer Figures :

(1)   (2)   (3)   (4)
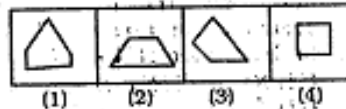
Directions : In question nos. 95 and 96 which one of the answer figures shall complete the given question figure ?
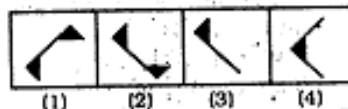
95. Question Figure :

Answer Figures :

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

96. Question figure :

Answer Figures :

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

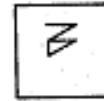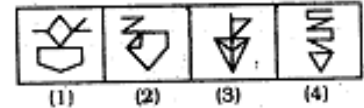**Directions :** In question nos. 97 and 98, in which one of the answer figures is the question figure embedded ?

97. Question Figure :

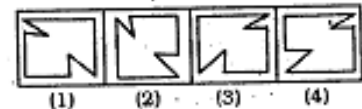**Answer Figures**

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

98. Question Figure :

Answer Figures:

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

Directions : For question nos. 99 and 100. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the 2 matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II from 5 to 9. A letter from these matrices can be represented first by its row and next column number, e.g. 'M' can be represented by 14, 21 etc. 'O' can be represented by 20, 32, etc. Similarly you have to identify the set for the word given in each question.

MATRIX I

	0	1	2	3	4
0	F	O	M	S	R
1	S	R	F	O	M
2	O	M	S	R	F
3	R	F	O	M	S
4	M	S	R	F	O

MATRIX II

	5	6	7	8	9
5	A	T	D	I	P
6	I	P	A	T	D
7	T	D	I	P	A
8	P	A	T	D	I
9	D	I	P	A	T

99. DIRT

(1) 69, 58, 11, 98

(2) 76, 96, 04, 69

(3) 57, 58, 23, 99

(4) 69, 58, 04, 67

100. MIST

(1) 21, 96, 34, 68

(2) 21, 65, 77, 99

(3) 40, 77, 56, 67

(4) 02, 89, 65, 88

Answer: General Intelligence

1	(4)	26	(4)	51	(3)	76	(3)
2	(4)	27	(4)	52	(1)	77	(2)
3	(4)	28	(3)	53	(2)	78	(4)
4	(3)	29	(3)	54	(1)	79	(3)
5	(1)	30	(4)	55	(2)	80	(3)
6	(2)	31	(3)	56	(3)	81	(4)
7	(3)	32	(2)	57	(3)	82	(4)
8	(4)	33	(2)	58	(3)	83	(2)
9	(3)	34	(3)	59	(3)	84	(2)
10	(3)	35	(1)	60	(3)	85	(2)
11	(4)	36	(3)	61	(2)	86	(1)
12	(4)	37	(2)	62	(2)	87	(3)
13	(2)	38	(3)	63	(1)	88	(2)
14	(3)	39	(3)	64	(4)	89	(3)
15	(3)	40	(4)	65	(1)	90	(3)
16	(2)	41	(4)	66	(3)	91	(3)
17	(3)	42	(3)	67	(1)	92	(1)
18	(4)	43	(2)	68	(3)	93	(4)
19	(4)	44	(4)	69	(3)	94	(2)
20	(4)	45	(4)	70	(3)	95	(4)
21	(2)	46	(2)	71	(2)	96	(3)
22	(2)	47	(1)	72	(4)	97	(3)
23	(3)	48	(4)	73	(3)	98	(2)
24	(1)	49	(2)	74	(3)	99	(3)
25	(4)	50	(1)	75	(1)	100	(1)