

SSC JUNIOR ENGINEER EXAM PAPER - 2017 "HELD ON 22 JAN 2018" MORNING SHIFT (GENERAL INTELLIGENCE REASONING AND GENERAL AWARENESS)

1. In the following question, select the related word pair from the given alternatives.

Rain : Clouds :: ? : ?

- (a) Rice : Food (b) Grey : Colour
(c) Heat : Sun (d) Snow : Mountains

Correct Answer: Heat : Sun

2. In the following question, select the related word from the given alternatives.

Cactus : Plant :: Rice : ?

- (a) Basmati (b) Crop
(c) White (d) Rabi

Correct Answer: Crop

3. In the following question, select the related word from the given alternatives.

Pink : Colour :: Eagle : ?

- (a) Black (b) Symbol
(c) Bird (d) Sky

Correct Answer: Bird

4. In the following question, select the related letter pair from the given alternatives.

TOM : NIG :: ? : ?

- (a) EAT : YUN (b) EAT : XXM
(c) FAT : LMV (d) EAT : ZXC

Correct Answer: EAT : YUN

5. In the following question, select the related letters from the given alternatives.

LERI : PJVN :: MONT : ?

- (a) WRTY (b) QTRY
(c) RITY (d) RQYB

Correct Answer: QTRY

6. In the following question, select the related letters from the given alternatives.

SAT : WEX :: MET : ?

- (a) AQI (b) IYX
(c) FHY (d) QIX

Correct Answer: QIX

7. In the following question, select the related number from the given alternatives.

43 : 7 :: 23 : ?

- (a) 6 (b) 4
(c) 7 (d) 5

Correct Answer: 5

8. In the following question, select the related number from the given alternatives.

38 : 53 :: 53 : ?

- (a) 72 (b) 68
(c) 79 (d) 87

Correct Answer: 68

9. In the following question, select the related number from the given alternatives.

9 : 81 :: 11 : ?

- (a) 78 (b) 93
(c) 121 (d) 146

Correct Answer: 121

10. In the following question, select the odd word from the given alternatives.

- (a) Goggle (b) Purse
(c) Accessories (d) Belt

Correct Answer: Accessories

11. In the following question, select the odd word from the given alternatives.

- (a) Grapes (b) Guava
(c) Cauliflower (d) Orange

Correct Answer: Cauliflower

12. In the following question, select the odd word from the given alternatives.

- (a) Sparrow (b) Rat
(c) Ostrich (d) Parrot

Correct Answer: Rat

13. In the following question, select the odd letters from the given alternatives.

- (a) GCXTO (b) KGBXS
(c) RNIEX (d) QMH DY

Correct Answer: RNIEX

14. In the following question, select the odd letters from the given alternatives.

- (a) SOKG
(b) AWSO
(c) INJF
(d) CYTP

Correct Answer: CYTP

15. In the following question, select the odd letters from the given alternatives.

- (a) KNQ (b) DGJ
(c) WZB (d) TWZ

Correct Answer: WZB

16. In the following question, select the odd number from the given alternatives.

- (a) 7 – 11 (b) 12 – 16
(c) 14 – 18 (d) 9 – 15

Correct Answer: 9 – 15

17. In the following question, select the odd number from the given alternatives.

- (a) 2 – 4 (b) 3 – 9
(c) 4 – 18 (d) 5 – 25

Correct Answer: 4 – 18

18. In the following question, select the odd number pair from the given alternatives.

- (a) 76 – 42 (b) 92 – 20
(c) 73 – 21 (d) 93 – 27

Correct Answer: 92 – 20

19. Arrange the given words in the sequence in which they occur in the dictionary.

1. Flagrant 2. Flavour
3. Flatter 4. Flick
5. Flawed
(a) 13254 (b) 31254
(c) 23541 (d) 32541

Correct Answer: 13254

20. According to dictionary, which of the following word will come at THIRD position?

1. Heritage 2. Helpful
3. Hectic 4. Heroic
5. Heroism
(a) Hectic (b) Heritage
(c) Heroic (d) Helpful

Correct Answer: Heritage

21. From the given alternatives, according to dictionary, which word will come at LAST position?

- (a) Juvenile (b) Justify
(c) Judge (d) Justice

Correct Answer: Juvenile

22. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

F, M, T, ?, H, O

- (a) B (b) C
(c) A (d) D

Correct Answer: A

23. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

ROK, LIE, FCY, ZWS, ?

- (a) LAQ (b) SRV
(c) TQM (d) FMQ

Correct Answer: TQM

24. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

FAQ, LGW, RMC, ?, DYO

- (a) VIR (b) XSI
(c) LSI (d) MIS

Correct Answer: XSI

25. In the following question, select the missing number from the given alternatives.

14, 22, 49, 113, 238, ?

- (a) 386 (b) 532
(c) 454 (d) 576

Correct Answer: 454

26. In the following question, select the missing number from the given alternatives.

42, 21, 21, 31.5, 63, ?

- (a) 169.75 (b) 157.5
(c) 152.5 (d) 126.75

Correct Answer: 157.5

27. In the following question, select the missing number from the given alternatives.

14, 44, 135, 409, 1232, ?

- (a) 2962 (b) 3340
(c) 3702 (d) 3406

Correct Answer: 3702

28. E is sitting between D and A, B is to the right of A, C is at one of the ends and C and D are sitting next to each other. Who is sitting third?

- (a) D (b) A
(c) B (d) E

Correct Answer: E

29. Showing a photograph of a married couple B said that the gentleman in it was his father's father and A said that the lady in it was her mother. How is A related to B?

- (a) A is B's mother's sister
(b) A is B's sister
(c) A is B's Father's sister
(d) A is B's mother

Correct Answer: A is B's Father's sister

30. From the given alternative words select the word which cannot be formed using the letters of the given word.

MERCANTILE

- (a) truce
(b) learn
(c) trace
(d) claim

Correct Answer: truce

31. If OLYMPUS is coded as MJWKNSQ, then how will TEN be coded as?

- (a) RCL (b) GVM
(c) SDM (d) UFO

Correct Answer: RCL

32. In a certain code language, 1875 means 'wound the round watch', 6143 means 'a cake is round' and 7321 means 'watch a round wheel'. Find the code for 'watch'.

- (a) 1 (b) 8
(c) 5 (d) 7

Correct Answer: 7

33. In a certain code language, '+' represents '-', '-' represents 'x', 'x' represents '÷' and '÷' represents '+'. Find out the answer to the following question.
 $96 \times 4 \div 125 + 25 - 5 = ?$

- (a) 23 (b) 24
(c) 50 (d) 8

Correct Answer: 24

34. If $17 \$ 22 = 4$ and $56 \$ 13 = 7$, then find the value of $71 \$ 25 = ?$

- (a) 56 (b) 96
(c) 1 (d) 8

Correct Answer: 1

35. If $A \$ B$ means A is son of B, $A \# B$ means A is brother of B and If $A * B$ means A is father of B, then what does $X \# Y * Z \$ W$ mean?

- (a) W is X's brother's wife
(b) W is X's wife
(c) W is X's mother
(d) W is X's sister

Correct Answer: W is X's brother's wife

36. Select the missing number from the given responses

1	4	2
2	7	10
3	?	12

- (a) 3 (b) 9
(c) -3 (d) 11

Correct Answer: 11

37. Which of the following terms follows the trend of the given list?

OXXXXXX, OXOXXXX, OXXOXXX, OXXXOXX, OXXXXOX, _____.

- (a) XOXXXXO (b) XOXXXOX
(c) OXXXOXX (d) OXXXXXX

Correct Answer: OXXXXXX

38. A scientist is studying the behaviour of an ant. The ant picks food and walks 5 cm North, then it turns to its right and walks for another 11 cm. then it turns right and walks 3 cm, then it turns West and walks 15 cm, then finally it turns to its left and walks 2 cm. Where is the ant now with respect to its starting point?

- (a) 4 cm East
(b) 26 cm West
(c) 4 cm West
(d) 26 cm East

Correct Answer: 4 cm West

39. Two football players start running from the same point on the ground. Player A runs 10 km East, then turns to his left and runs 13 km. In the meanwhile Player B runs 6 km South, then he runs 3 km East, the he turns to his left and runs 19 km. Where is Player A with respect to Player B?

- (a) 7 km West (b) 7 km East
(c) 13 km East (d) 13 km West

Correct Answer: 7 km East

40. In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement I: Some chapters are physics

Statement II: All science is physics

Conclusion I: All science is chapters

Conclusion II: Some physics is science

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor conclusion II follows

Correct Answer: Only conclusion II follows

41. In the question three statements are given, followed by three conclusions, I, II and III. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement I: All success is victory

Statement II: All luck is success

Statement III: Some hard work is luck

Conclusion I: Some success is hard work

Conclusion II: Some hard work is victory

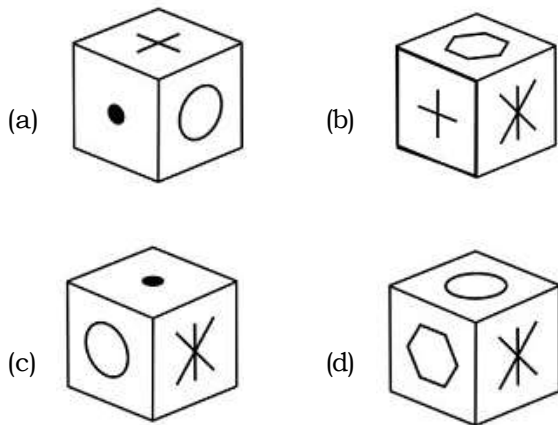
Conclusion III: No victory is luck

- (a) Only conclusions I and II follow
(b) Only conclusions II and III follow

- (c) Only conclusions I and III follow
(d) All conclusions I, II and III follow

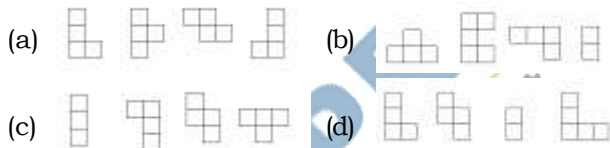
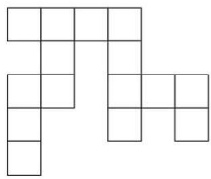
Correct Answer: Only conclusions I and II follow2

42. Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?



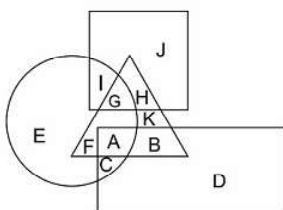
Correct Answer: (*)

43. Which of the following answer figure patterns can be combined to make the question figure?



Correct Answer: (*)

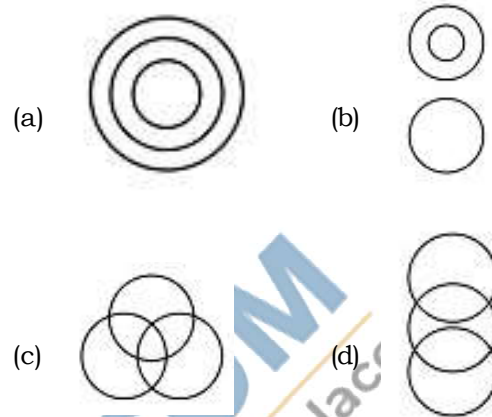
44. In the following figure, square represents Professors, triangle represents Social Workers, circle represents Dieticians and rectangle represents Men. Which set of letters represents Dieticians who are not men?



- (a) EFGI (b) BDKHJ
(c) IGAC (d) DEJI

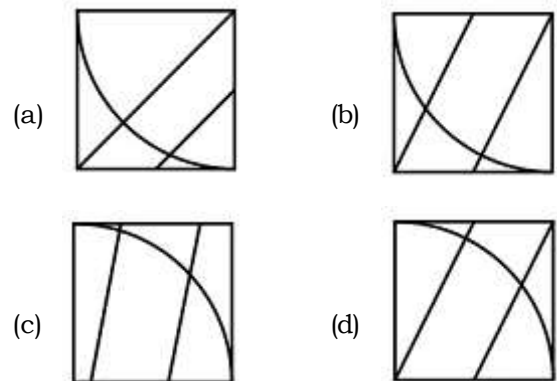
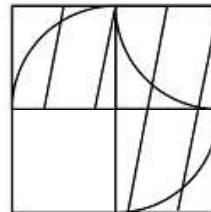
Correct Answer: 7 km East

45. Which of the following Venn diagrams represents the relationship between Butterflies, Animals and Insects?



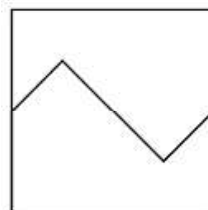
Correct Answer: (*)

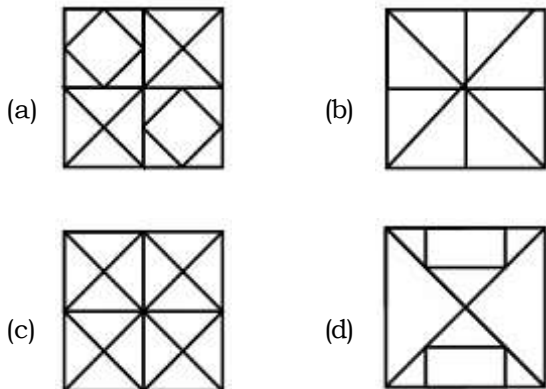
46. Which answer figure will complete the pattern in the question figure?



Correct Answer: (*)

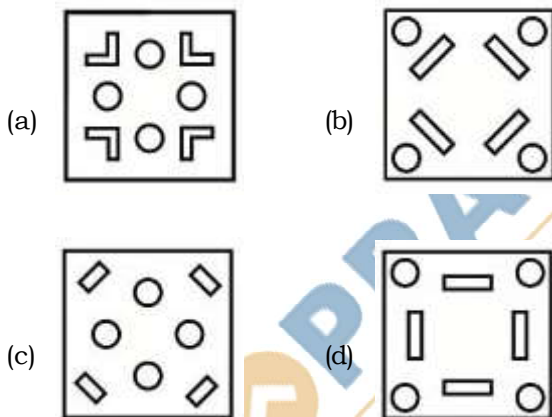
47. From the given answer figures, select the one in which the question figure is hidden/embedded.





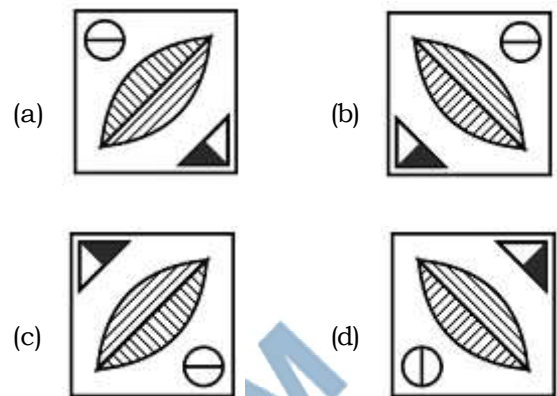
Correct Answer: (*)

48. A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.



Correct Answer: (*)

49. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?



Correct Answer: *

50. 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 shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example 'C' can be represented by 43, 41, etc. and 'O' can be represented by 97, 78 etc. Similarly, you have to identify the set for the word 'SPAN'.

Matrix I आव्यूह-I					
	0	1	2	3	4
0	M	M	M	I	E
1	A	M	J	I	A
2	F	I	M	I	E
3	I	J	A	L	K
4	D	C	A	C	L

Matrix II आव्यूह-II					
	5	6	7	8	9
5	N	V	Q	U	S
6	R	S	T	U	N
7	S	Z	X	O	V
8	X	S	P	W	P
9	U	X	O	Y	Y

- (a) 66, 87, 33, 56
 (b) 59, 78, 42, 31
 (c) 86, 89, 32, 55
 (d) 78, 43, 22, 98

Correct Answer: 86, 89, 32, 55

67. Which of the following layers is called "Barysphere"?
- (a) Earth's most internal layer
 - (b) Earth's intermediate layer
 - (c) Earth's topmost layer
 - (d) Lowest part of the atmosphere where climate changes occur

Correct Answer: Earth's most internal layer

68. The Blue Nile river originates from which of the following lakes?

- (a) Lake Victoria
- (b) Lake Tana
- (c) Lake Edward
- (d) Lake Albert

Correct Answer: Lake Tana

69. Which of the following states of India has the largest percentage of geographical area under forest as per the report of the Forest survey of India?

- (a) Manipur
- (b) Meghalaya
- (c) Mizoram
- (d) Nagaland

Correct Answer: Mizoram

70. At which of the following towns the Alaknanda and the Bhagirathi combines to form River Ganga?

- (a) Haridwar
- (b) Rishikesh
- (c) Rudrapur
- (d) Devprayag

Correct Answer: Devprayag

71. 'Nirvana Fund' was set up by NSDC for financial help to _____.

- (a) Entrepreneurs from the bottom rungs of society
- (b) Displaced Kashmiri Pandits
- (c) Old age people having no means of livelihood
- (d) Ventures of selected candidates trained under PMKVY but did not get any job.

Correct Answer: Ventures of selected candidates trained under PMKVY but did not get any job.

72. Nakul Swasthya Patra' is a scheme by the Government for which among the following purposes?

- (a) Wellness of animals
- (b) Wellness of animal owners
- (c) Taking care of lactating mother in the rural areas
- (d) Taking care of newborn babies in the rural areas

Correct Answer: Wellness of animals

73. Which mine of India was in the news recently for becoming the country's first iron-ore mine to have a solar plant for reducing carbon footprint?

- (a) Talchar mine
- (b) Koraput mine
- (c) Noamundi mine
- (d) Ratnagiri mine

Correct Answer: Noamundi mine

74. Where will the Summer Olympics be held in 2028?

- (a) Sydney
- (b) Paris
- (c) Los Angeles
- (d) Copenhagen

Correct Answer: Los Angeles

75. Which country has won the 2017 Davis Cup Tennis Tournament?

- (a) Switzerland
- (b) Serbia
- (c) France
- (d) Belarus

Correct Answer: France

76. "You are Unique" is written by _____.

- (a) Dr. A. P. J. Abdul Kalam
- (b) Khushwant Singh
- (c) Taslima Nasrin
- (d) Arvind Adiga

Correct Answer: Dr. A. P. J. Abdul Kalam

77. The third Indian Council for Cultural Relations (ICCR) Distinguished Indologist Award for the year 2017 was awarded to Japanese professor _____.

- (a) Hiroshi Marui
- (b) Shimamaru Marui
- (c) Nagasaki Marui
- (d) Toyota Marui

Correct Answer: Hiroshi Marui

78. Which of the following city has become first Indian city to get UNESCO's world heritage city tag?

- (a) Jaipur
- (b) Ahmedabad
- (c) Gandhi Nagar
- (d) Allahabad

Correct Answer: Ahmedabad

79. In June 2017, which of the following countries have signed a protocol of co-operation in the field of archive?

- (a) India and Israel
- (b) India and Portugal
- (c) India and Netherland
- (d) India and Iran

Correct Answer: India and Portugal

80. India has signed an agreement to provide USD 318 million as line of credit for developing railway sector of which of the following country?

- (a) Bangladesh
- (b) Nepal
- (c) China
- (d) Sri Lanka

Correct Answer: Sri Lanka

81. Dot Matrix is a type of _____.

- (a) Tape
- (b) Disk
- (c) Printer
- (d) Bus

Correct Answer: Printer

82. The secondary storage devices can only store data but they cannot perform _____.

- (a) Arithmetic operations
- (b) Logic operations
- (c) Fetch operations
- (d) All options are correct.

Correct Answer: All options are correct.

83. In the modern periodic table metals, metalloids and non metals are found in which block?

- (a) s-Block (b) p-block
(c) d-block (d) f-block

Correct Answer: p-block

84. Cinnabar is ore of which of the following?

- (a) Magnesium (b) Aluminium
(c) Mercury (d) Iron

Correct Answer: Mercury

85. In which of the following mirror size of image formed is always equal to the size of object?

- (a) Convex mirror
(b) Concave mirror
(c) Plane mirror
(d) Both convex and concave mirror

Correct Answer: Plane mirror

86. Mass of a hydrogen atom is how many time the mass of an electron?

- (a) 1000 (b) 8000
(c) 1837 (d) 5000

Correct Answer: 1837

87. Which of the following are Fabrics that may contain polyester?

- I. Polycot
II. Polywool
III. Terrycot
(a) Only I and II (b) Only I and III
(c) Only II and III (d) All I, II and III

Correct Answer: All I, II and III

88. Which of the following term does NOT represent electrical power in circuit?

- (a) I^2R (b) IR^2
(c) VI (d) V^2/R

Correct Answer: IR^2

89. A positively charged particle projected towards west is deflected towards north by a magnetic field. What is the direction of magnetic field?

- (a) toward south (b) toward east
(c) downward (d) upward

Correct Answer: upward

90. Which of the following is NOT positively charged?

- (a) Alpha particle (b) Proton
(c) Helium nucleus (d) Electron

Correct Answer: Electron

91. Which is a water soluble Vitamin?

- (a) Vitamin A
(b) Vitamin C
(c) Vitamin D
(d) Vitamin K

Correct Answer: Vitamin C

92. Match the items given in column (A) with those in column (B).

Column - A

- I. Frog
II. Leaves
III. Earthworm

Column - B

1. Skin
2. Stomata
3. Lungs and skin

- (a) I-3, II-2, III-1
(b) I-1, II-2, III-3
(c) I-3, II-1, III-2
(d) I-2, II-1, III-1

Correct Answer: I-3, II-2, III-1

93. How many number of chambers are there in human heart?

- (a) Two (b) Three
(c) Four (d) Five

Correct Answer: Four

94. Which of the following is NOT present in a matured stomata?

- (a) Plasmodesma (b) Chloroplast
(c) Cell wall (d) Vacuole

Correct Answer: Plasmodesma

95. What is/are the cause(s) of arise hypermetropia?

- (a) Excessive curvature of the eye lens.
(b) Elongation of the eye ball.
(c) Focal length of the eye lens is too long.
(d) No option is correct.

Correct Answer: Focal length of the eye lens is too long.

96. Antibiotics are useful for which type of infections?

- (a) Only bacteria
(b) Only virus
(c) Both bacteria and virus
(d) Neither bacteria nor virus

Correct Answer: Only bacteria

97. Which one of the following is NOT responsible for water shortage?

- (a) Rapid growth of industries
(b) Increasing population
(c) Forestation
(d) Mismanagement of water resources

Correct Answer: Forestation

98. Which gas is major contributor to greenhouse effect?

- (a) Carbon dioxide
(b) Chlorofluorocarbon
(c) Sulphur dioxide
(d) Nitrogen dioxide

Correct Answer: Carbon dioxide

99. Which of the following is NOT a major problem in development of resources?

- (a) Depletion of resources for satisfying the greed of few individuals.
- (b) Accumulation of resources in few hands.
- (c) An equitable distribution of resources.
- (d) Indiscriminate exploitation of resources.

Correct Answer: An equitable distribution of resources.

100. Which of the following is NOT man made ecosystem?

- (a) Orchards
- (b) Home aquarium
- (c) Botanical gardens
- (d) Grassland

Correct Answer: Grassland

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