

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

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) QMHDY

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 $A * B$ 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?

OXXXXX, OXOXXX, OXXOXXX, OXXXOXX, OXXXXOX, _____.

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

Correct Answer: OXXXXXO

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, then 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

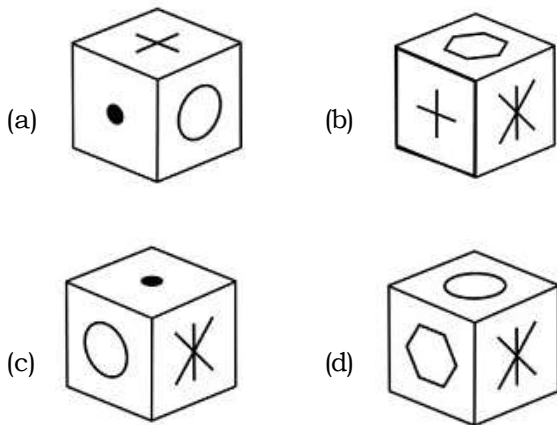
Conclusion III: No victory is luck

- (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

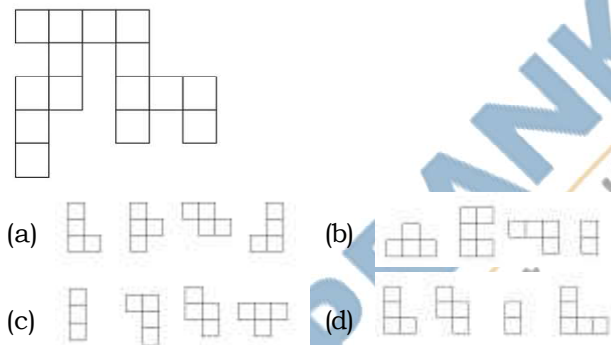
Correct Answer: Only conclusions I and II follow2

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



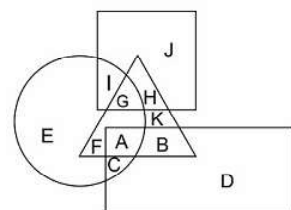
Correct Answer: (*)

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



Correct Answer: (*)

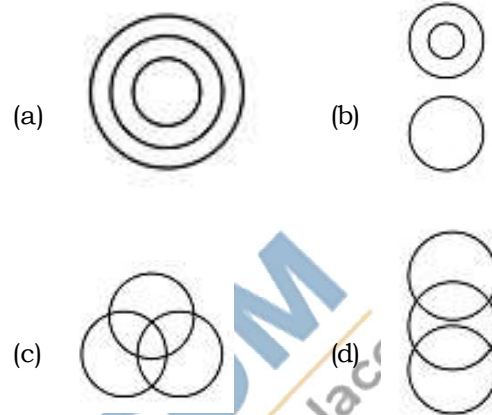
44. In the following figure, square represents Professors, triangle represents Social Workers, circle represents Dieticians and rectangle represents Men. Which set of letters represents Dieticians who are not men?



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

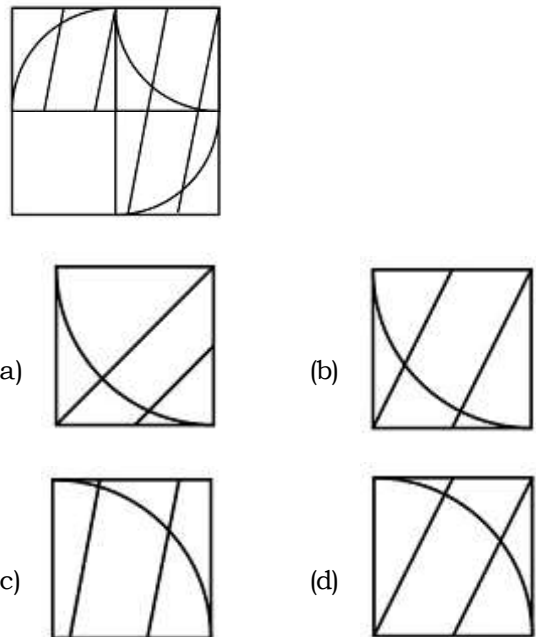
Correct Answer: 7 km East

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



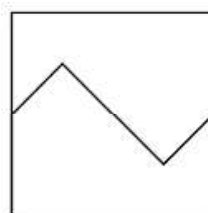
Correct Answer: (*)

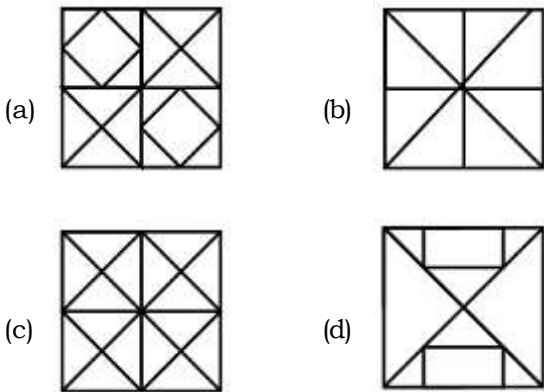
46. Which answer figure will complete the pattern in the question figure?



Correct Answer: (*)

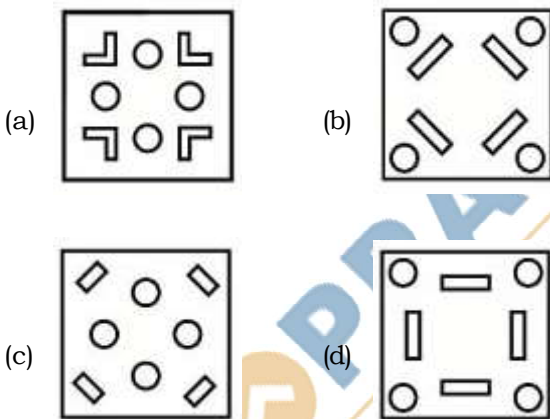
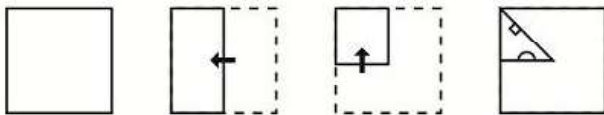
47. From the given answer figures, select the one in which the question figure is hidden/embedded.





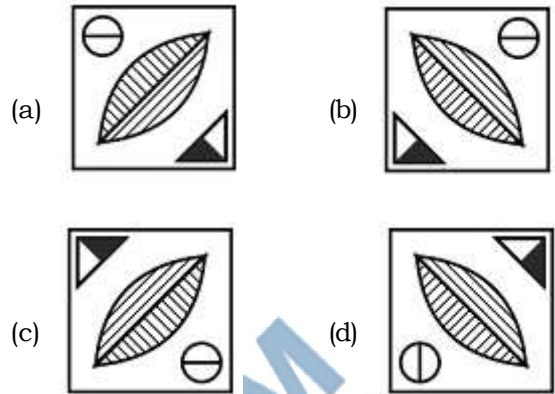
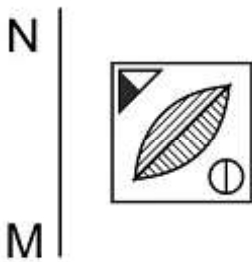
Correct Answer: (*)

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