# SSC CAPFs, NIA, SSF CONSTABLE (GD) \& ASSAM RIFLES RIFLEMAN (GD) EXAM 

Marks : 100
Solved Original Question Paper - 2019
Held on : 05.03.2019

## GENERAL INTELLIGENCE

1. Select that correct alternative which completes the series filling up the blank space :
YEB, XFD, WGF, ?
A) UEG
B) VHD
C) DHV
D) VHH

Explanation :
Ans: (D)

2. If 'PANT' is coded as 51 , what will be the code for 'DOGS'?
A) 52
B) 45
C) 49
D) 44

Explanation :
Ans: (B)
Position number of the Alphabet
P-16; A-1 ;
N-14, T-20
$16+1+14+20=51$
Similarly,
D-4; O-15 ;
G-7 ; S-19
$4+15+7+19=45$
3. Seven models A, B ,C ,D ,E ,F and G are in front of a photographer for photography session. $D$ is standing to the immediate right of G. B is standing between D and F . A is standing to the immediate right of C . $E$ is standing between $G$ and $A$. Who is standing in the middle?
A) $G$
B) E
C) A
D) D

Explanation :
Ans: (A)

4. If a mirror is placed in the north direction which figure from the given answer figures is the correct mirror image of the question figure.
Question Figure:

Answer Figure
A)

B)

C)

D)


Ans: (B)
5. Select that correct alternative which completes the series filling up the blank space:
145, 290, 580, 1160, ?
A) 2310
B) 2320
C) 2215
D) 2420

Explanation :
Ans: (B)
$145 \times 2=290$
$290 \times 2=580$
$580 \times 2=1160$
$1160 \times 2=2320$
6. Select the option that is related to the third term in the same way as the second term is related to the first term:
Duck : Quack :: Bird : ?
A) Croon (Hum)
B) Chirp
C) Cry
D) Caw Caw

Ans: (B)
Explanation :
Sound of duck is quack.
Sound of bird is chirp.
7. Three of the following four words are alike in a certain way and one is different. Find the odd one out.
A) COMIC
B) SALES
C) SHOES
D) TOUCH

## Explanation :

Ans: (D)
Except the word 'TOUCH', all other words have the same letter in the first and last.
8. Three of the following four alternatives are alike in a certain way and one is different. Find the odd one out.
A) 22,33
B) 10,15
C) 18,27
D) 16,21

Explanation :
Ans: (D)
$22 \div 11=2$

$33 \div 11=$| 2 |
| :--- |
| $10 \div 5=$ |
| $15 \div 5=$ |
| 3 |

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$$
\begin{aligned}
& 18 \div 9=\begin{array}{l}
2 \\
27 \div 9= \\
3
\end{array} \mathbf{l}+{ }^{2} \div 2
\end{aligned}
$$

But
$16 \div 8=2$
$21 \div 8=2.625$
9. Select the alternative which completes the series filling up the blank space:
2, 2, 3, 6, 15, ?
A) 25
B) 45
C) 30
D) 35

Explanation :

10. A is more intelligent than $B$. $C$ is not more intelligent than $B$. D is more intelligent than $E$, but not more than $A$. Who is the most intelligent ?
A) A
B) E
C) $B$
D) D

Explanation :
Ans: (A)
A $>\mathrm{B}>\mathrm{C}$
D $>\mathrm{E}$
A $>\mathrm{E}$
A is most intelligent.
11. Select the figure that will come next in the following figure series:


## Explanation :

Ans: (C)
$\Delta$ - In each subsequent figure the triangle moves one step in clockwise direction and also changed to the inverted.
$\Delta$ - It moves to the opposite side and the diagonalline shifts to other corner.
Q - The shaded portion of the circle moves to the opposite side after every two figures.
12. Select the venn diagram which best represents relationship among the given three classes: Male, Father, Brother
A)

B)

C)

D)


Explanation :
Ans: (A)

13. The statements given below are followed by four conclusions numbered I, II, III and IV. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows(s) from the statements.
Statements :
All inductors are condensers.
Some resistors are inductors.
All atomic numbers are resistors.
Conclusions :
I. All atomic numbers are condensers.
II. Some atomic numbers are condensers
III. Some condensers are resistors.
IV. All resistors are condensers

Select the correct answer :
A) Only I follows
B) Only II follows
C) Only I and II follows
D) Only III follows

Explanation :
Ans: (*)
All inductors are condensers


Some resistors are inductors


All atomic numbers are resistors


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Conclusion : Some condensers are resistors.
Hence the conclusion III follows.
Some condensers are resistors.


Combining III $G V$ we get


Hence the conclusions I G II do not follow.
From V, Some condensers are resistors.
$\rightarrow$ conversion into "All resistors are condensers".


Hence the conclusions III G IV follow.
14. Select the option that is related to the third term in the same way as the second term is related the first term :
412: 49 :: 361 :?
A) 120
B) 82
C) 100
D) 144

Explanation :
Ans: (C)
$4+1+2=7 \quad ; 7^{2}=49$
$3+6+1=10 ; 10^{2}=100$
15. Three of the following four letter - groups are alike in a certain way and one is different. Find the odd one out.
A) DEF
B) HIK
C) CDE
D) EFG

Explanation :
Ans: (B)
$\mathrm{D} \xrightarrow{+1} \mathrm{E} \xrightarrow{+1} \mathrm{~F}$
$\mathrm{C} \xrightarrow{+1} \mathrm{D} \xrightarrow{+1} \mathrm{E}$
$\mathrm{E} \xrightarrow{+1} \mathrm{~F} \xrightarrow{+1} \mathrm{G}$
But
$\mathrm{H} \xrightarrow{+1} \mathrm{I} \xrightarrow{+2} \mathrm{~K}$
16. If in a certain code language CAGE is written as BDFG and NORMAL is written as MOXQDH, then how will GENERAL be written in the code language?
A) MGGFFDX
B) BGIKLMK
C) FGDFXMG
D) FGMGXDH

Explanation :

| C | A | G | E | N | O | R | M | A | L |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ |
| B | D | F | G | M | O | X | Q | D | H |


| G | E | N | E | R | A | L |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ |
| F | G | M | G | $X$ | $D$ | H |

17. The statements given below are followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements :
Some pens are books
All books are temples
Conclusions :
I. All temples are pens
II. Some pens are temples

Select the correct answer :
A) Both I and II follows
B) Only I follows
C) None follows
D) Only II follows

Explanation :
Ans: (A)
Some pens are books $\rightarrow$ I-type


All books are temples $\rightarrow$ A-type
I $+\mathrm{A} \Rightarrow$ I-type of conclusion
Some pens are temples. Hence the conclusion II follows.
Some pens are temples $\rightarrow$ conversion into All temples are pens.

18. Select the alternative figure in which the question figure is hidden / embedded.
Question Figure :


Answer Figures :
A)

B)

C)

D)

Answer Figures :


Ans: (B)
22. Select the option that is related to the third term in the same way as the second term is related to the first term :
Car : Garage :: Aeroplane : ?
A) Flight
B) Hangar
C) Air Hostess
D) Landing

Ans: (B)
19. There are five books $A, B, C, D$ and $E$. Book $C$ is above book $D$, book $E$ is below book $A, D$ is above $A$, book $B$ is below $E$. Which book is at bottom?
A) A
B) D
C) $B$
D) C

Explanation :
Ans: (C)

20. Select the option that is related to the third term in the same way as the second term is related to the first term :
AC:CF: MO : ?
A) $Q R$
B) $P Q$
C) OQ
D) OR

Explanation :
Ans: (D)


Similarly,

21. A paper is folded and cut as shown below in the question figures. How would it appear when unfolded?
Question Figure :

23. If ' + ' means 'division', '-' means 'plus', ' $\times$ ' means 'subtraction' and ' $\div$ ' means 'multiplication', then
$20 \times 12+4-8 \div 4=$ ?
A) 38
B) 49
C) 41
D) 39

Explanation :
Ans: (B)

| $+\Rightarrow \div$ | $-\Rightarrow+$ |
| :--- | :--- |
| $\times \Rightarrow-$ | $\div \Rightarrow \times$ |
| Using BODMAS Method |  |
| $20 \times 12+4-8 \div 4=?$ |  |
| $20-12 \div 4+8 \times 4$ |  |
| $20-3+8 \times 4$ |  |
| $20-3+32 \Rightarrow 52-3=49$ |  |

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24. Find the missing number from the given alternatives:
${ }_{65}^{2}$
A) 78
B) 110
C) 117
D) 108

Explanation :
Ans: (C)
Figure - I : $2^{2}+5^{2}+6^{2}=4+25+36=65$
Figure - II : $6^{2}+8^{2}+9^{2}=36+64+81=181$
Figure - III : $2^{2}+8^{2}+7^{2}=4+64+49=117$
25. Which of the following answer figures would complete the given figure:
Question Figure :


Answer Figures :
A)

B)

C)

D)


