

# SSC SELECTION POST XIII



**PYQ SOLVED PAPERS**

**37  
SETS**

**12<sup>TH</sup> LEVEL**

**10<sup>TH</sup> LEVEL**

**SSC**

# SSC

## Selection Post XIII

### PYQ Solved Papers

### 37 SETs

### 12<sup>th</sup> & 10<sup>th</sup> Level

The previous years question papers in this book have been explained in such a way that you can understand the answers along with the concepts in detail without any external help.

In the past few years, SSC conducted all its examinations in the CBT (Computer Based Test) format. These tests are organized by the National Testing Agency (NTA). NTA does not repeat questions in the examinations, but the nature and pattern of the questions remain more or less the same.

This observation is based on a careful analysis of the questions that have been asked in the past four years. Accordingly, in this book, solutions of only important previous years question papers have been given.

*Solved by*

Amarendra Kumar, Sanyog Kumar



**CHRONICLE**  
Nurturing Talent Since 1990

# CONTENTS

## SSC SELECTION POST (12<sup>TH</sup> LEVEL)

### 2024

- ♦ SSC Selection Post 10 +2 PYQ Solved Paper (Held On 24 June, 2024 Shift 2).....1-15
- ♦ SSC Selection Post 10 +2 PYQ Solved Paper (Held On 21 June, 2024 Shift 2).....16-30
- ♦ SSC Selection Post 10 +2 PYQ Solved Paper (Held On 20 June, 2024 Shift 2).....31-44

### 2023-2020

1. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 27 June, 2023 Shift 3).....1-13
2. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 4 August, 2022 Shift 3) .....14-26
3. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 3 August, 2022 Shift 4) .....27-38
4. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 2 August, 2022 Shift 2) .....39-51
5. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 1 August, 2022 Shift 3) .....52-64
6. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 15 March, 2022 Shift 2).....65-77
7. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 14 March, 2022 Shift 2).....78-91
8. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 11 February, 2022 Shift 1).....92-104
9. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 10 February, 2022 Shift 2) .....105-117
10. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 9 February, 2022 Shift 2) .....118-131
11. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 10 November, 2020 Shift 2).....132-145
12. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 9 November, 2020 Shift 1).....146-159
13. SSC Selection Post 10 +2 PYQ Solved Paper (Held On 6 November, 2020 Shift 3).....160-172

## SSC SELECTION POST (10<sup>TH</sup> LEVEL)

**2024**

- ♦ SSC Selection Post 10 PYQ Solved Paper (Held On 21 June, 2024 Shift 1) .....1-13
- ♦ SSC Selection Post 10 PYQ Solved Paper (Held On 20 June, 2024 Shift 4) .....14-26
- ♦ SSC Selection Post 10 PYQ Solved Paper (Held On 20 June, 2024 Shift 1) .....27-40

**2023-2020**

1. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 30 June, 2023 Shift 3).....1-12
2. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 28 June, 2023 Shift 4).....13-23
3. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 27 June, 2023 Shift 2).....24-35
4. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 27 June, 2023 Shift 1).....36-47
5. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 5 August, 2022 Shift 1) .....48-59
6. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 3 August, 2022 Shift 1) .....60-71
7. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 2 August, 2022 Shift 1) .....72-83
8. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 1 August, 2022 Shift 1) .....84-95
9. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 14 March, 2022 Shift 1).....96-109
10. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 10 February, 2022 Shift 1) 110-121
11. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held 3 February, 2022 Shift 2) .....122-133
12. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 3 February, 2022 Shift 1) ..134-145
13. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 2 February, 2022 Shift 3) ..146-157
14. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 2 February, 2022 Shift 2) ..158-170
15. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 2 February, 2022 Shift 1) ..171-182
16. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 9 November, 2020 Shift 3).183-195
17. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 9 November, 2020 Shift 1).196-207
18. SSC Selection Post (10<sup>th</sup> level) PYQ Solved Paper (Held On 6 November, 2020 Shift 1).208-220

# SSC Selection Post 10+2 PYQ Solved Paper

Held On 24 June, 2024 Shift 2

## General Intelligence

1. Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.

BASIC : GEVKD :: TABLE : YEENF :: COULD : ?

- (a) HRXNE (b) HSYNE  
(c) ITYMF (d) HSXNE

2. In this question, three statements are given, 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 follows/follow from the statements.

Statements:

Some tables are chairs.

Some chairs are beds.

All beds are wardrobes.

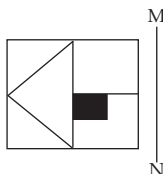
Conclusions:

I. No table is a wardrobe.

II. All tables are wardrobes.

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

3. Select the correct mirror image of the given figure when the mirror is placed at line MN as shown below.



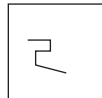
- (a) (b)   
(c) (d)

4. What will come in place of the question mark (?) in the following equation if '+' means 'x', 'x' means '-', '-' means '÷' and '÷' means '+'?

$$18 \div 4 + 3 \times 2 - 2 = ?$$

- (a) 19 (b) 30  
(c) 29 (d) 28

5. Select the option figure in which the given figure is embedded (rotation is NOT allowed).



- (a) (b)   
(c) (d)

6. In a certain code language,

'A + B' means 'A is the daughter of B',  
'A - B' means 'A is the brother of B',  
'A x B' means 'A is the mother of B'.

Based on the above, how is K related to O if 'K - L x M - N + O'?

- (a) Brother  
(b) Wife's brother  
(c) Mother's brother  
(d) Father

7. In a certain code language, 'MERRY' is written as 'QYLL' and 'OVEN' is written as 'OHYP'. How will 'MESIAL' be written in that language?

- (a) QKYUCR (b) QYKRCU  
(c) QYKUCR (d) QYKURC

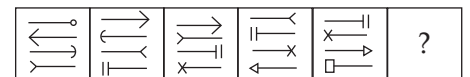
8. In a certain code language, 'A + B' means 'A is the son of B'; 'A - B' means 'A is the daughter of B'; 'A x B' means 'A is the husband of B' and

'A ÷ B' means 'A is the sister of B'.

Based on the above, how is P related to S if 'P - Q x R ÷ S + T'?

- (a) Mother's mother  
(b) Sister's daughter  
(c) Mother's sister  
(d) Father's sister

9. Select the figure from among the given options that can replace the question mark (?) in the following series.



- (a) (b)   
(c) (d)

10. In a certain code language, 'HUNTER' is coded as 80 and 'TRIAL' is coded as 55. How will 'BURNT' be coded in the same language?

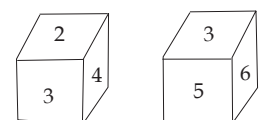
- (a) 70 (b) 75  
(c) 65 (d) 80

11. Select the option that represents the correct order of the given words as they would appear in an English dictionary?

1. Rush  
2. Roven  
3. Rumpus  
4. Royal  
5. Rugged

- (a) 2, 4, 5, 3, 1  
(b) 1, 3, 2, 4, 5  
(c) 4, 2, 3, 5, 1  
(d) 3, 1, 2, 4, 5

12. Six numbers 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Two positions of this dice are shown in the following figure. Find the number on the face opposite to 4.



- (a) 5 (b) 1  
(c) 3 (d) 6

13. Select the option that represents the letters that when sequentially placed in the blanks below will complete the letter series.  
U \_ G \_ F \_ K \_ M G \_ F N \_ U \_ G  
(a) MLNULKM (b) MKLNULM  
(c) NLMKULM (d) NKNMULM
14. Select the number from among the given options that can replace the question mark (?) in the following series.  
48, ?, 12, 6, 3, 1.5  
(a) 12 (b) 16  
(c) 24 (d) 48
15. In a certain code language, 'THORP' is written as 'EQJGI' and 'HEART' is written as 'QTXGE'. How will 'TENDER' be written in that language?  
(a) ETKGTU (b) ETKTGU  
(c) ETKUTG (d) ETKUGT
16. Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.  
1. Building  
2. City  
3. State  
4. Country  
5. Apartment  
(a) 5, 3, 2, 1, 4 (b) 1, 3, 2, 4, 5  
(c) 5, 1, 2, 3, 4 (d) 1, 2, 3, 5, 4
17. The numbers in each set are related to each other in a certain way.  
(6, 64, 2), (8, 225, 7), (3, ?, 9)  
Based on the relationship among the numbers in the first two sets, select the number that can replace the question mark (?) in the third set.  
(a) 148 (b) 144  
(c) 146 (d) 124
18. In a certain code language,  
A + B means 'A is the mother of B',  
A - B means 'A is the brother of B',  
A × B means 'A is the wife of B',  
A ÷ B means 'A is the father of B'.  
Based on the above, how is R related to Q if  $P \times Q \div T + S - R \times V$ ?  
(a) Son's daughter  
(b) Mother's father  
(c) Daughter's daughter  
(d) Mother's mother
19. The position of how many letters will remain unchanged if each of the letters in the word SCRAMBLE is arranged in alphabetical order?  
(a) Two (b) None  
(c) Three (d) One
20. In a certain code language, 'DWELL' is written as 'UBTMM' and 'OVER' is written as 'JCTG'. How will 'DYAD' be written in that language?  
(a) XUZZ (b) UXZZ  
(c) UZXU (d) ZUXU
21. Select the option that is related to the third word in the same way as the second word is related to the first word.  
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)  
Socket : Plug :: Nut : ?  
(a) Monkey  
(b) Screw-Driver  
(c) Bolt  
(d) Eat
22. Three statements are given, 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:  
All figs are twigs.  
Some twigs are trees.  
Some ants are trees  
Conclusions:  
I. Some ants are twigs.  
II. Some trees are figs.  
(a) Either conclusion I or II follows  
(b) Neither conclusion I nor II follows  
(c) Only conclusion I follows  
(d) Only conclusion II follows
23. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.  
G \_ INGGO \_ N \_ G \_ IN \_ GOI \_  
(a) IOOGONG (b) GOGINIG  
(c) OIGOGNG (d) IOGNGOI
24. Select the option that is related to the third word in the same way as the second word is related to the first word.  
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)  
India : Delhi :: United Kingdom : ?  
(a) Manchester (b) Liverpool  
(c) London (d) Tottenham
25. Three statements are given, 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:  
All p are r.  
Some r are c.  
All c are d.  
Conclusions:  
I. Some d are p.  
II. Some c are p.  
(a) Either conclusion I or II follows  
(b) Only conclusion II follows  
(c) Neither conclusion I nor II follows  
(d) Only conclusion I follows

## General Awareness

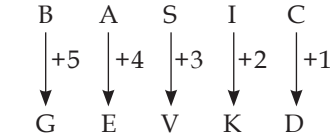
1. Which of the following states has the lowest female literacy rate as per Census of India 2011?  
(a) Orissa (b) Rajasthan  
(c) Tamil Nadu (d) Uttarakhand
2. Which is the oldest and most widespread industry in India?  
(a) Mining  
(b) Food processing  
(c) Textile  
(d) Fertiliser
3. Which of the following pairs is/are INCORRECTLY matched?  
A. Separation of Executive from the Judiciary - Article 50  
B. Organisation of the village panchayats and endow them with powers - Article 40  
C. Promote justice, on a basis of equal opportunity, and to provide free legal aid to the poor - Article 39A  
D. Organise agriculture and animal husbandry on modern and scientific lines - Article 45  
(a) B, C and D only  
(b) D only  
(c) C and D only  
(d) A, B and C only
4. Indian Renewable Energy Development Agency (IREDA) has signed a loan agreement with SJVN Green Energy for financing over ₹4,000 crores for the 1000 MW solar power project at Bikaner, Rajasthan. Who is the current chairman and managing director of Indian



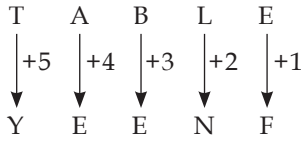
# Explanation

## General Intelligence

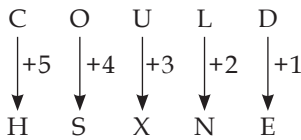
1. (d), Just as,



And,

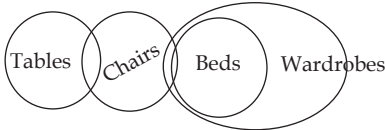


Similarly,

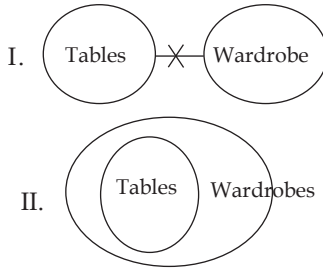


So, COULD will be coded as HSXNE.

2. (b), Statements

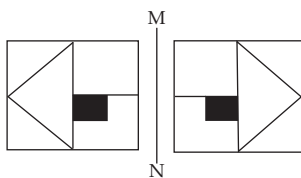


Conclusions



As per given diagram neither conclusion I nor conclusion II is correct.

3. (c), Mirror image



So, correct answer is option (c).

4. (c), As per given information,

$$\begin{aligned} + &= \times \\ \times &= - \\ - &= \div \\ \div &= + \end{aligned}$$

$$18 \div 4 + 3 \times 2 - 2 = ?$$

After changing mathematical sign

$$\Rightarrow 18 + 4 \times 3 - 2 \div 2 = ?$$

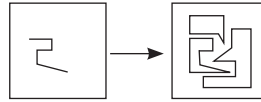
$$\Rightarrow 18 + 4 \times 3 - 1 = ?$$

$$\Rightarrow 18 + 12 - 1 = ?$$

$$\Rightarrow 30 - 1 = 29$$

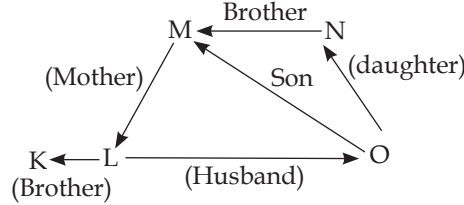
So, correct answer is 29.

5. (a), The given figure is embedded from -



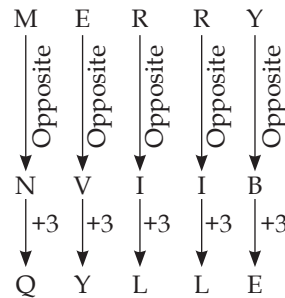
So, correct option is (a).

6. (b), As per given information,

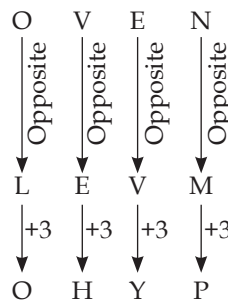


So, K is O's wife's brother

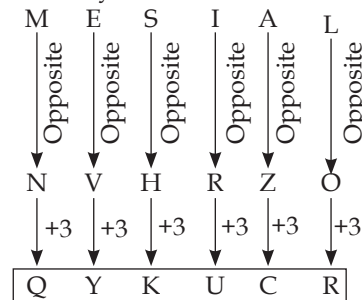
7. (c), Just as,



And,

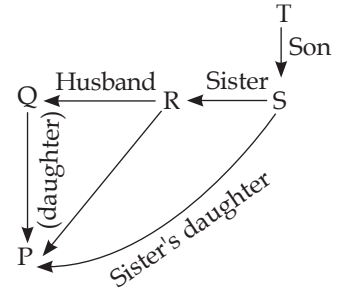


Similarly,



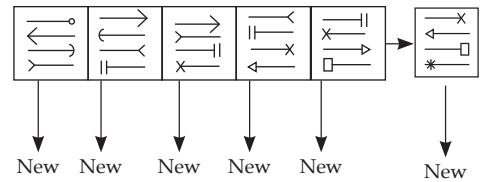
So, MESIAL will be coded as QYKUCR.

8. (b), As per given information,



As per given diagram P is sister's daughter.

9. (d), As per given information,



So, correct option is (d).

10. (a), Just as,

H	U	N	T	E	R
↓	↓	↓	↓	↓	↓
8	+21	+14	+20	+5	+18

$$= 86 - \textcircled{6} \Rightarrow 80$$

↓  
Number of Letters

And,

T	R	I	A	L
↓	↓	↓	↓	↓
20	+18	+9	+1	+12

$$= 60 - \textcircled{5} \Rightarrow 55$$

↓  
Number of Letters

Similarly,

B	U	R	N	T
↓	↓	↓	↓	↓
2	+21	+18	+14	+20

$$= 75 - \textcircled{5} \Rightarrow 70$$

↓  
Number of Letters

So, BURNT will be coded as 70.

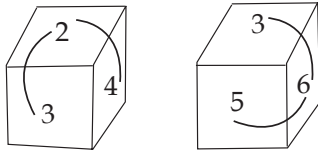
11. (a), The correct Dictionary order is:

2. Roven
4. Royal
5. Rugged
3. Rumpus
1. Rush

So, the correct order are 2, 4, 5, 3, 1.

12. (a), As per dice,

If two dice have the same face value in the given image then their clockwise or anti-clockwise number are known as opposite numbers in dice. In the first dice and second dice. The number 3 is common.



The left numbers will be opposite each other writing them clockwise starting from 3.

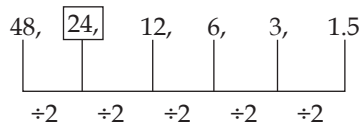
Hence, 5 is opposite of 4.

13. (a), Series follow here : UMGLFNK

U M G L F N K / U M G L F N K / U M G

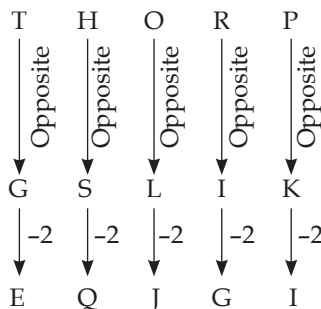
So, correct answer is MLNULKM.

14. (c), According to question,

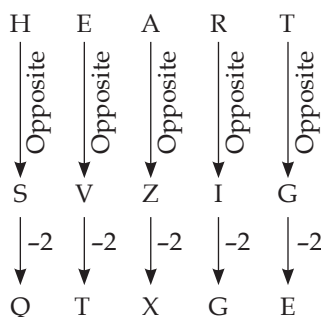


So, correct answer is 24.

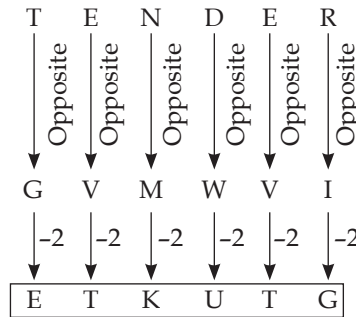
15. (c), Just as,



And,



Similarly,



So, TENDER will be coded as ETKUTG.

16. (c), The logic followed here is:

5. **Apartment:** An apartment is a single unit of residence within a building.

1. **Building:** A building contains multiple apartments.

2. **City:** A city comprises multiple buildings and other structures.

3. **State:** A state contains multiple cities within its boundaries.

4. **Country:** A country is made up of multiple states.

So, the order would be '5, 1, 2, 3, 4'.

17. (b), Just as,

(6, 64, 2)

$(1^{\text{st}} \text{ number} + 3^{\text{rd}} \text{ number})^2 = 2^{\text{nd}} \text{ number.}$

$\Rightarrow (6 + 2)^2 = 8^2 = 64.$

Now,

(8, 225, 7)

$(1^{\text{st}} \text{ number} + 3^{\text{rd}} \text{ number})^2 = 2^{\text{nd}} \text{ number.}$

$\Rightarrow (8 + 7)^2 = 15^2 = 225.$

Similarly,

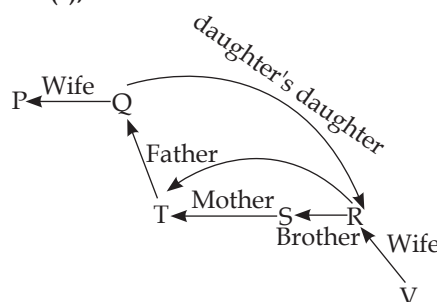
(3, ?, 9)

$(1^{\text{st}} \text{ number} + 3^{\text{rd}} \text{ number})^2 = 2^{\text{nd}} \text{ number.}$

$\Rightarrow (3 + 9)^2 = 12^2 = 144.$

So, 144 is correct answer.

18. (c),



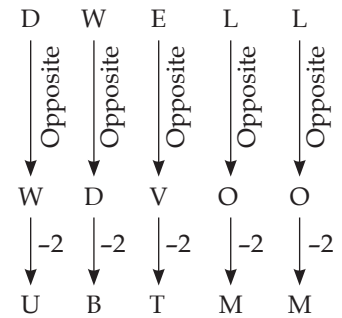
So, R is Q's daughter's daughter.

19. (b), According to question,

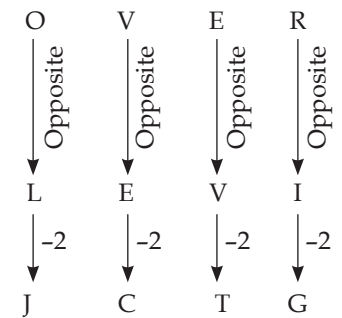
Word	S	C	R	A	M	B	L	E
Alphabetical order	A	B	C	E	L	M	R	S

Here, no any letter will remain unchanged after arrange the words in Alphabetical order.

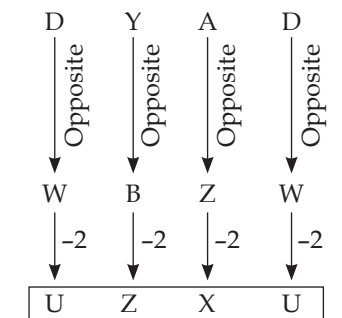
20. (c), Just as,



And,



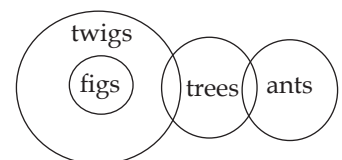
Similarly,



So, DYAD will be coded as UZXU.

21. (c), Just as a socket is designed to receive a plug. Similarly a nut is designed to be used with a bolt.

22. (b), Statements



Conclusions



# SSC Selection Post 10+2 PYQ Solved Paper

Held On 21 June, 2024 Shift 2

## General Intelligence

1. In a certain code language, 'DESTROY' is written as 'DYORTSE' and 'EFFECTS' is written as 'ESTCEFF'. How will 'FOUNDED' be written in that language?

(a) FOEDDNU (b) DFOUNDE  
(c) FDEDNUO (d) DEDNUOF

2. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

\_AT\_RLA\_ERL\_ \_E\_ \_A\_ER

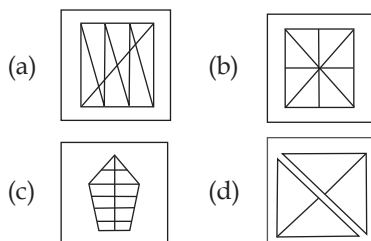
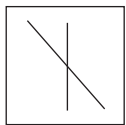
(a) LTERRLET (b) TTRLETLR  
(c) TLERLTLR (d) LETATRLT

3. Arrange the following countries according to world map from East to West.

1.Canada 2. Japan 3. India 4. Uzbekistan 5. Germany 6. Malaysia

(a) 2, 6, 3, 4, 5, 1  
(b) 1, 5, 4, 3, 2, 6  
(c) 1, 5, 4, 3, 6, 2  
(d) 2, 6, 4, 3, 1, 5

4. Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



5. Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must

not be related to each other based on the number of letters/number of consonants/vowels in the word)

Cat : Kitten :: Lion : ?

(a) Shoal (b) Infant  
(c) Cub (d) Fawn

6. The numbers in each set are related to each other in a certain way.

(2, 8, 100), (7, 2, 81), (4, 7, ?)

Based on the relationship among the numbers in the first two sets, select the number that can replace the question mark (?) in the third set.

(a) 98 (b) 121  
(c) 124 (d) 112

7. Which two signs should be interchanged to make the given equation correct?

$36 + 8 \times 184 - 23 \div 10 = 90$

(a)  $\div$  and  $-$  (b)  $\div$  and  $\times$   
(c)  $+$  and  $\times$  (d)  $-$  and  $+$

8. In a certain code language, 'QUOD' is written as 'GCIT' and 'CRY' is written as 'UFY'. How will 'QUIP' be written in that language?

(a) GHCO (b) GCOH  
(c) GCHO (d) GHOC

9. In a code language, some statements are coded as follows:

- "Economy growth level down" is coded as "77 42 11 36".
- "Slow percentage rate range" is coded as "55 91 23 82".
- "Economy growth rate index range" is coded as "77 64 91 11 82".
- "Economy range level down" is coded as "36 11 42 82".

What is the code for "Growth"?

(a) 64 (b) 77  
(c) 55 (d) 42

10. In this question, three statements are given, 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

follows/follow from the statements.

Statements:

- Some tables are chairs.
- All desks are chairs.
- No chair is a fan.

Conclusions:

- Some desks are tables.
  - Some fans are desks.
- (a) Only conclusion I follows  
(b) Both conclusions I and II follow  
(c) Only conclusion II follows  
(d) Neither conclusion I nor II follows

11. A and C are sisters. A is the daughter of D. D is the mother of B. How is A related to B?

(a) Aunt  
(b) Sisters  
(c) Mother  
(d) Grand Mother

12. Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.

PORTRAY : YARTROP :: CONCEPT : TPECNOC :: REGULAR : ?

(a) RRALUGE (b) RALUEGR  
(c) RALUGER (d) RAULGER

13. In this question, three statements are given, 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 follows/follow from the statements.

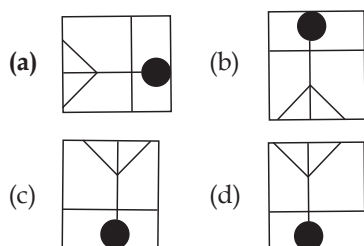
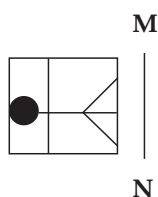
Statements:

- All tables are charts.
- Some charts are graphs.
- Some graphs are pies.

Conclusions:

- No table is a graph.
  - Some pies are charts.
- (a) Only conclusion I follows  
(b) Neither conclusion I nor II follows  
(c) Only conclusion II follows  
(d) Both conclusions I and II follow

14. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



15. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

ONGOING:HOIOHOO::PROJECT  
:UDEKOSQ::REPORTS:?

- (a) TUSPQFS (b) TUSPQES  
(c) TUSOQES (d) TUSOQFS

16. Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Autorickshaw
2. Car
3. Train
4. Bicycle
5. Bus

- (a) 1, 5, 2, 4, 3 (b) 2, 4, 3, 1, 5  
(c) 4, 1, 2, 5, 3 (d) 3, 1, 2, 5, 4

17. Radha visits her brother Rohan, who stays with their father Prasant, mother Sarala and grandfather Raghuvir. Rohan has two children, Binny and Champak. Binny's husband is Keshab, and Champak's wife is Tina. Tina's daughter helped Radha to find their home. How is Tina's daughter related to Rohan?

- (a) Son  
(b) Daughter  
(c) Son's son  
(d) Son's daughter

18. Select the number from among the given options that can replace the question mark(?) in the following series.

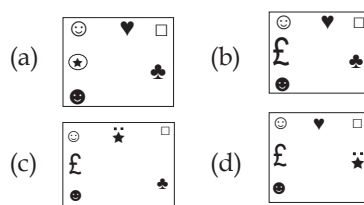
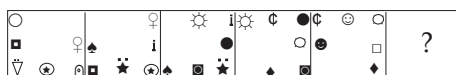
3, 14, 20, 31, ?, 48

- (a) 41 (b) 37  
(c) 40 (d) 39

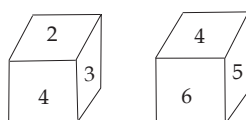
19. In a certain code language, 'FEATURE' is coded as 1001010 and 'CANDID' is coded as 101101. How will 'HOLIDAY' be coded in the same language?

- (a) 1010101 (b) 1010100  
(c) 1001101 (d) 1011001

20. Select the figure from among the given options that can replace the question mark (?) in the following series.



21. Six numbers 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Two positions of this dice are shown in the following figure. Find the number on the face opposite to 2.



- (a) 1 (b) 5  
(c) 4 (d) 6

22. The position of how many letters will change if each of the letters in the word CUSHION is arranged in alphabetical order?

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

23. In this question, three statements are given, 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 follows/follow from the statements.

Statements:

All boxes are squares.

All squares are rectangles.

All rectangles are figures.

Conclusions:

I. All boxes are figures.

II. All squares are figures.

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

24. In a certain code language,

'A \$ B' means 'A is the mother of B',  
'A # B' means 'A is the father of B',  
'A ! B' means 'A is the sister of B',  
'A @ B' means 'A is the brother of B',  
'A \* B' means 'A is the wife of B',  
'A > B' means 'A is the husband of B',  
'A % B' means 'A is the father-in-law of B',  
'A ^ B' means 'A is the mother-in-law of B'.

Based on the above, how is U related to A if

- a) 'P > Q \$ R > S ! T',  
b) 'U # T',  
c) 'R # A'?

- (a) Mother's brother  
(b) Father  
(c) Mother's father  
(d) Son

25. Select the option that represents the letters that when sequentially placed in the blanks below will complete the letter series.

S \_ P \_ \_ G \_ I S G \_ I \_ \_ P I

- (a) GISPPSG (b) SISSSPG  
(c) GIPSSPG (d) SISPSPG

## General Awareness

1. Sriharikota island is located in which of the following states?

- (a) West Bengal  
(b) Tamil Nadu  
(c) Odisha  
(d) Andhra Pradesh

2. Rickets is caused by deficiency of:

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

3. Who among the following wrote the book 'Long Walk to Freedom'?

- (a) Winston Churchill  
(b) Barack Obama  
(c) Nelson Mandela  
(d) Mother Teresa

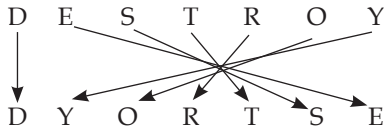
4. A western disturbance is the extra-tropical storm that brings rainfall over northeast India during winter. From which ocean does this disturbance originate?

- (a) East Siberian Sea  
(b) Mediterranean Sea  
(c) Coral Sea  
(d) Arabian Sea

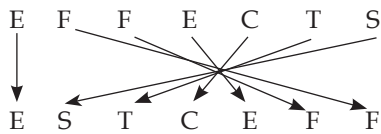
# Explanation

## General Intelligence

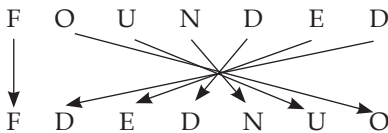
1. (c), Just as,



Now,



Similarly,



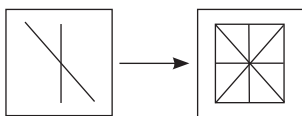
So, FOUNDED will be coded as FDENUO.

2. (d), Series follow here : LATER / LATER / LATER / LATER

So, correct answer is LETATRLT.

3. (a), The logic followed here is: To arrange countries from East to West.  
2. **Japan** - This is the easternmost country among the given options.  
6. **Malaysia** - Moving west from Japan, Malaysia is the next country.  
3. **India** - West of Malaysia, India comes next.  
4. **Uzbekistan** - Further west from India is Uzbekistan.  
5. **Germany** - West of Uzbekistan, we find Germany.  
1. **Canada** - Finally, the westernmost country among these is Canada.  
So, the order would be: 2, 6, 3, 4, 5, 1.

4. (b), The given figure is embedded :



So, correct option is (b).

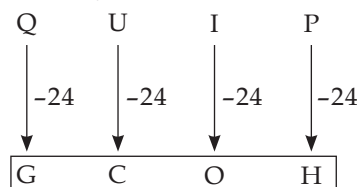
5. (c), The relationship followed here is cat gives birth to kitten. Similarly the female lions give birth to cub.

6. (b), Just as,  
(2, 8, 100)  
 $\Rightarrow (1^{\text{st}} \text{ number} + 2^{\text{nd}} \text{ number})^2 = 3^{\text{rd}} \text{ number}$   
 $\Rightarrow (2 + 8)^2 = 100$   
Now,  
(7, 2, 81)  
 $\Rightarrow (1^{\text{st}} \text{ number} + 2^{\text{nd}} \text{ number})^2 = 3^{\text{rd}} \text{ number}$   
 $\Rightarrow (7 + 2)^2 = 81$   
Similarly,  
(4, 7, ?)  
 $\Rightarrow (1^{\text{st}} \text{ number} + 2^{\text{nd}} \text{ number})^2 = 3^{\text{rd}} \text{ number}$   
 $\Rightarrow (4 + 7)^2 = 121$   
So, correct answer is 121.

7. (a), According to question  
 $36 + 8 \times 184 - 23 \div 10 = 90$   
After interchanging the signs  $\div$  and  $-$   
 $\Rightarrow 36 + 8 \times 184 \div 23 - 10 = 90$   
 $\Rightarrow 36 + 8 \times 8 - 10 = 90$   
 $\Rightarrow 36 + 64 - 10 = 90$   
 $\Rightarrow 100 - 10 = 90$   
 $\Rightarrow 90 = 90$  (balance)  
So, correct answer is option (a).

8. (b), Just as,  
Q U O D  
↓ -24 ↓ -24 ↓ -24 ↓ -24  
G C I T  
Now,  
C R Y  
↓ -24 ↓ -24 ↓ -24  
U F Y

Similarly,



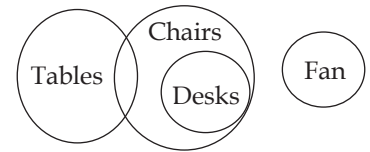
So, QUIP will be coded as GCOH.

9. (b), As per given information

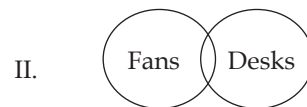
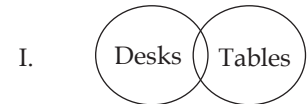
Economy growth level down  $\rightarrow$  77 42 11 36  
Slow percentage rate range  $\rightarrow$  55 91 23 82  
Economy growth rate index range  $\rightarrow$  77 64 91 11 82  
Economy range level down  $\rightarrow$  36 11 42 82  
Growth  $\rightarrow$  77

So, 'growth' will be coded as 77.

10. (d), Statements

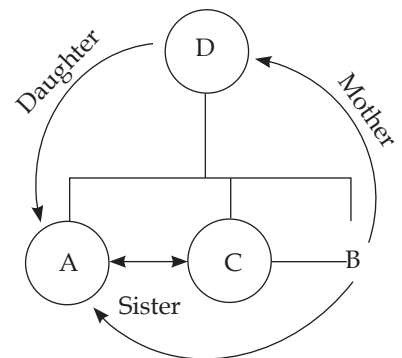


Conclusions



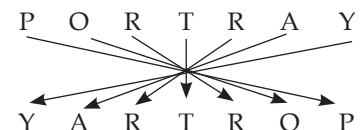
As per venn diagram neither conclusion I nor II is correct.

11. (b), As per given information,

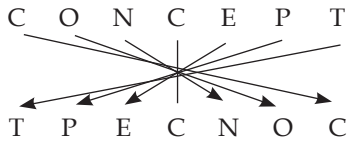


So, A is the sister of B.

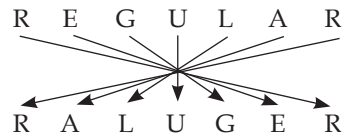
12. (c), Just as,



And,

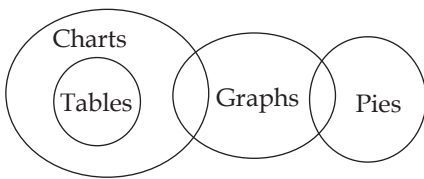


Similarly,

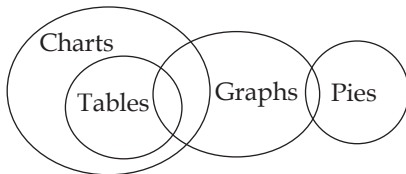


So, REGULAR will be coded as RALUGER.

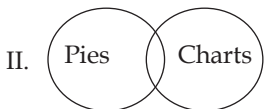
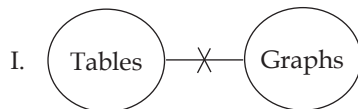
13. (b), Statements,



OR

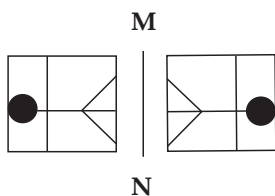


Conclusions,



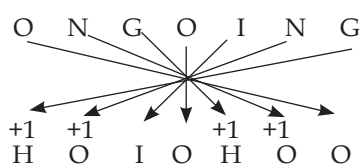
As per venn diagram neither conclusion I nor II is correct.

14. (a), Mirror image of the given figure:

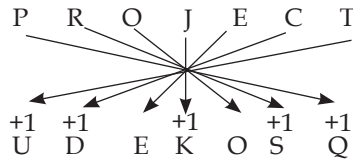


So, correct option is (a).

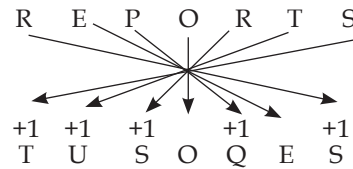
15. (c), Just as,



And



Similarly,



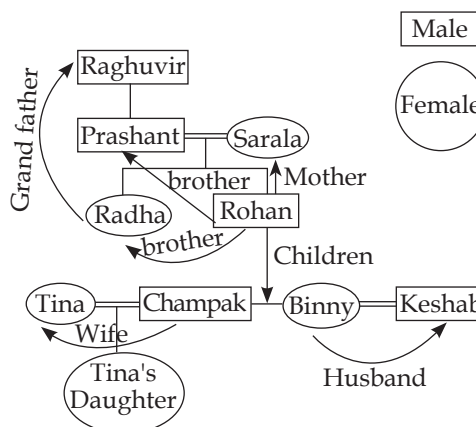
So, REPORTS Will be coded as TUSOQES.

16. (c), The correct logical and meaningful order is:

4. Bicycle
1. Autorickshaw
2. Car
5. Bus
3. Train

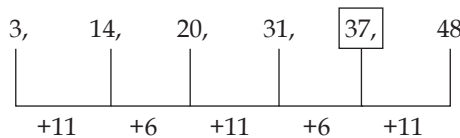
So, the correct order is '4, 1, 2, 5, 3'.

17. (d), As per given information



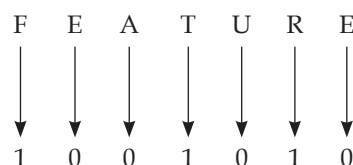
So, Tina's daughter is granddaughter or son's daughter of Rohan.

18. (b), According to question,



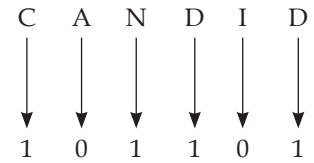
So, Correct answer is 37.

19. (a), Just as,

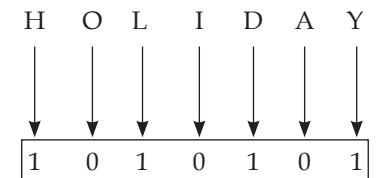


Note:- Here Consonant is coded as 1 and Vowel is coded as 0.

And,

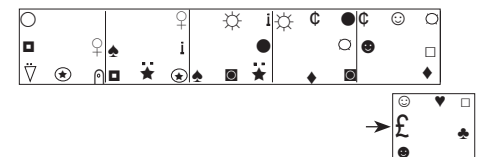
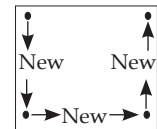


Similarly,



So, HOLIDAY will be coded as 1010101.

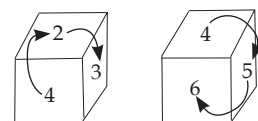
20. (b), Pattern follow here,



So, correct option is (b).

21. (b), As per dice

If two dice have the same face value in the given image then their clockwise or anti-clockwise number are known as opposite numbers in dice. In the first dice and second dice. The number 4 is common.



The left numbers will be opposite each other writing them clockwise starting from 4. Hence, opposite of 2 is 5.

22. (b), After arranged in alphabetical order:

Alphabets	C	U	S	H	I	O	N
Alphabets Order	C	H	I	N	O	S	U

There are six alphabets "U, S, H, I, O, N" whose positions will change.



# SSC Selection Post 10+2 PYQ Solved Paper

Held On 20 June, 2024 Shift 2

## General Intelligence

1. In a certain code language, 'BONE' is written as '619189', and 'CASH' is written as '752312'. How will 'DAWN' be written in that language?

(a) 851518 (b) 751517  
(c) 751615 (d) 852718

2. The numbers in each set are related to each other in a certain way.

(2, 8, 4), (7, 343, 49), (4, 64, ?)

Based on the relationship among the numbers in the first two sets, select the number that can replace the question mark (?) in the third set.

(a) 12 (b) 8  
(c) 32 (d) 16

3. Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Eye : See :: Skin :

(a) Hot (b) Touch  
(c) Hard (d) Soft

4. In this question, three statements are given, 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 follows/follow from the statements.

Statements:

All mangoes are fruits.  
Some mangoes are pears.  
All pears are vegetables.

Conclusions:

- I. Some mangoes are vegetables.  
II. Some fruits are vegetables.  
(a) Neither conclusion I nor II follows.  
(b) Only conclusion I follows.  
(c) Both conclusions I and II follow  
(d) Only conclusion II follows.

5. In a certain code language,  
'A + B' means 'A is the father of B',  
'A - B' means 'A is the brother of B',  
'A × B' means 'A is the daughter of B',  
'A ÷ B' means 'A is the sister of B'

Based on the above, how is J related to T if 'T - M + H ÷ K × J'?

- (a) Mother  
(b) Brother's wife  
(c) Sister  
(d) Mother's sister

6. In this question, three statements are given, 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 follows/follow from the statements.

Statements:

All socks are clothes.  
All clothes are shoes.  
Some shoes are gloves.

Conclusions:

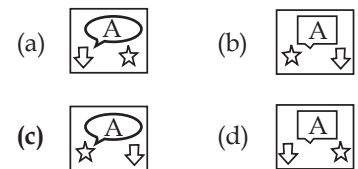
- I. Some shoes are socks.  
II. Some gloves are clothes.  
(a) Only conclusion I follows.  
(b) Both conclusions I and II follow.  
(c) Only conclusion II follows.  
(d) Neither conclusion I nor II follows.

7. Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.

CASTLE : SCALET :: PRIMED :  
IPREDM :: PHONES :

- (a) OPHESN (b) OHPESN  
(c) OHPSEN (d) OPHSEN

8. Select the figure from among the given options that can replace the question mark (?) in the following series.



9. In a certain code language, 'BLOW' is coded as '3517' and 'LIFE' is coded as '4258'. What is the code for 'L' in that language?

(a) 7 (b) 1  
(c) 5 (d) 2

10. In a certain code language. 'JAMB' is written as 'SBPA' and 'BOAT' is written as 'ANBI'. How will 'JERK' be written in that language?

(a) SXRK (b) SKRX  
(c) SRKX (d) SXKR

11. If '+' means 'division', '-' means 'multiplication', '÷' means 'addition' and '×' means 'subtraction', then what is the value of the following expression?  
 $19 - 6 \div 306 + 17 \times 9$

(a) 126 (b) 212  
(c) 123 (d) 218

12. Three statements are given, followed by three conclusions numbered I, II and III. 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:

Only a few ladders are walls.  
Some ladders are vans.  
All vans are cans.

Conclusions:

- I. Some cans are ladders.  
II. All walls being cans is a possibility.  
III. No vans can be walls.

- (a) Both conclusions I and II follow  
(b) All conclusions, I, II and III, follow  
(c) Both conclusions I and III follow  
(d) Both conclusions II and III follow

13. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

\_UG\_HU\_EH\_GE\_\_G\_

- (a) GEHUEHU (b) EHUGHGE  
(c) HEGUHUE (d) HGEUGHE
14. Select the number from among the given options that can replace the question mark(?) in the following series.

4, 14, 34, 64, ?, 154

- (a) 94 (b) 124  
(c) 104 (d) 114
15. Select the option that represents the correct order of the given words as they would appear in an English dictionary.
- Grouping
  - Grotesque
  - Grovel
  - Ground
  - Groundless
- (a) 2, 4, 5, 1, 3 (b) 4, 1, 5, 2, 3  
(c) 3, 5, 1, 4, 2 (d) 1, 2, 3, 4, 5

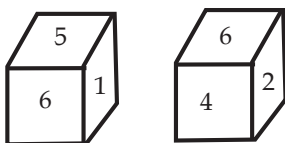
16. In a certain code language, A + B means 'A is the mother of B', A - B means 'A is the brother of B', A × B means 'A is the wife of B', A ÷ B means 'A is the father of B'.

Based on the above, how is P related to V if 'R + P × Q ÷ S - T × V'?

- (a) Wife's mother  
(b) Son's daughter  
(c) Daughter's husband  
(d) Son's mother
17. Select the option that represents the correct order of the given words as they would appear in an English dictionary.

- Peril
- Perfume
- Permission
- Perform
- Period
- Perplex

- (a) 4, 2, 1, 5, 3, 6 (b) 4, 5, 1, 2, 6, 3  
(c) 4, 2, 5, 6, 3, 1 (d) 4, 1, 5, 3, 2, 6
18. Six numbers 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Two positions of this dice are shown in the following figure. Find the number on the face opposite to 5.



- (a) 3 (b) 6  
(c) 4 (d) 2

19. Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

- Manufacturing
- Raw material
- Consumption
- Material processing
- Distribution

- (a) 4, 5, 2, 1, 3 (b) 4, 2, 1, 5, 3  
(c) 2, 1, 4, 5, 3 (d) 2, 4, 1, 5, 3

20. Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.

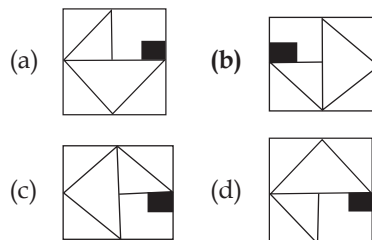
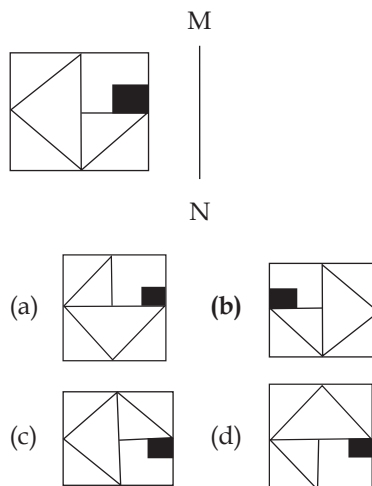
\_\_J R \_J R \_J \_R \_RR\_

- (a) RJRRJJJ (b) JRRJJRJ  
(c) RRRRRJJ (d) JJRRJRJ

21. In a certain code language, 'BROWSE' is written as 'ZJMEIW' and 'ROAD' is written as 'JMAX'. How will 'BUDGET' be written in that language?

- (a) ZGXUWH (b) ZGXWHU  
(c) ZGXUHW (d) ZGXHWU

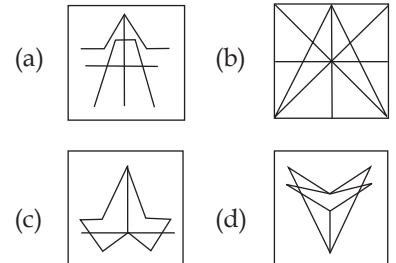
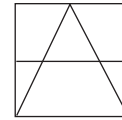
22. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



23. 'M \$ N' means 'M is the son of N', 'M + N' means 'M is the daughter-in-law of N', 'M ÷ N' means 'M is the husband of N', 'M & N' means 'M is the wife of N', 'M = N' means 'M is the brother of N'. If 'G \$ C = A ÷ B + D & E', then how is E related to C?

- (a) Brother  
(b) Father's brother  
(c) Son  
(d) Father

24. Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



25. Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Snake : Bite :: Bee : ?

- (a) Honey (b) Sting  
(c) Hive (d) Buzz

## General Awareness

- Which of the following duties is mentioned as the 11<sup>th</sup> Fundamental Duty in the Indian constitution?  
(a) To develop a scientific temper  
(b) To cherish and preserve the rich national heritage of our culture  
(c) To provide opportunities for education to children between 6-14 years of age  
(d) To protect the integrity and unity of India
- The census operations of India had been carried out in \_\_\_\_\_ phases according to census 2011.  
(a) 3 (b) 7  
(c) 5 (d) 2
- Which is the world's largest PV Solar Park located in one of the Indian states?  
(a) Pavagada Solar Park  
(b) Bhadla Solar Park  
(c) Dholera Solar Park  
(d) Harshad Solar Park
- Ricky Kej, a globally acclaimed musician from India, won the 57<sup>th</sup> Grammy Award for which of the following albums?



economy. India is a hugely cash-dependent economy. The RBI and commercial banks annually spend around Rupees 21,000 crore in currency operations costs while the citizens of Delhi alone spend Rupees 9.1 crore and 60 lakh hours in collecting cash.

The scale of this burden is unique to India considering that it is among the most cash-intensive economies with a cash-to-GDP ratio of 12%, almost four times as much as other markets such as Brazil (3.93%), Mexico (5.3%) and South Africa (3.73%). Moreover, cash transactions and black money are directly linked, since a cash trail is nigh impossible to track. As such, electronic transactions and the ease of audit they afford should make the government's job much easier in terms of curbing illegal transactions.

What the switchover to payments by credit and debit cards means is that the payer must have money in the bank. This can be facilitated through a greater recourse to direct cash transfer of subsidies to banks. But, those who avail of this may not belong to the section that pays income tax. Given that less than three per cent of our population pays income tax, transactions by plastic cards may not amount to much. But, the scene is changing. For instance, payments by mobiles have

grown from just 860 transactions in November 2010 to 4.4 million in August 2014. With the spread of Internet and expansion of e-commerce, online payments are fast catching on among the middle class. These are mostly cashless transactions. It is also necessary to remember that a move towards a cashless economy will eliminate the cost of printing and distributing cash. If to these expenses are added the cost of storage and maintaining the currencies in the over 60,000 ATMs, the outlay becomes prohibitive. The answer is a buoyant economy that will reduce the numbers of those who still regard cash as the only reliable legal tender.

21. According to the author of the passage, which of the following is directly linked?
- Credit transaction and black money
  - Black and white money
  - Cash and credit transactions
  - Cash transactions and black money
22. How would e-transactions help the Government of India?
- Increasing the audit work at government level
  - Curbing illegal transactions
  - Increasing the paperwork of the government

- (d) Increasing the cash transportation charges at government level
23. Which of the following statements is INCORRECT according to the passage?
- The RBI and commercial banks annually spend around Rupees 21,000 crore in currency operations costs.
  - Citizens of Delhi alone spend Rupees 9.1 crore and 60 lakh hours in collecting cash.
  - Less than 4% of our population pays income tax.
  - Payments by mobiles have grown from 860 transactions in 2010 to 4.4 million in 2014.
24. How does the spread of the internet and expansion of e-commerce help people?
- Online payments don't attract people at all.
  - Online payments are fast catching.
  - Online payments are expensive.
  - Online payments are slow catching.
25. According to the author of the passage, what type of economy exists in India?
- Developed economy
  - Labour intensive economy
  - Dependent economy
  - Cash-intensive economy

## Explanation

### General Intelligence

1. (d), Just as,

2	15	14	5
B	O	N	E
↓ +4	↓ +4	↓ +4	↓ +4
6	19	18	9

And,

3	1	19	8
C	A	S	H
↓ +4	↓ +4	↓ +4	↓ +4
7	5	23	12

Similarly,

4	1	23	14
D	A	W	N
↓ +4	↓ +4	↓ +4	↓ +4
8	5	27	18

So, DAWN will be coded as 852718.

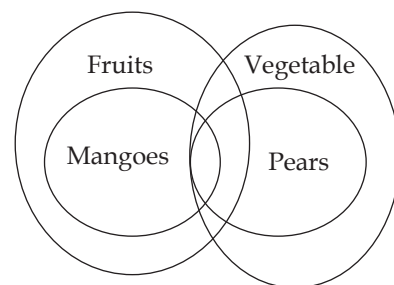
2. (d), Just as,  
(2, 8, 4)  
 $(2^{\text{nd}} \text{ number} \div 1^{\text{st}} \text{ number}) = 3^{\text{rd}} \text{ number}$   
 $\Rightarrow (8 \div 2) = 4$   
And,  
(7, 343, 49)  
 $(2^{\text{nd}} \text{ number} \div 1^{\text{st}} \text{ number}) = 3^{\text{rd}} \text{ number}$   
 $\Rightarrow (343 \div 7) = 49$   
Similarly,  
(4, 64, ?)

$$(2^{\text{nd}} \text{ number} \div 1^{\text{st}} \text{ number}) = 3^{\text{rd}} \text{ number}$$

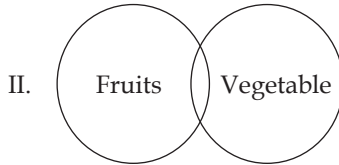
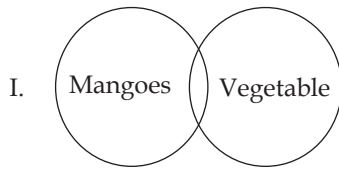
$$\Rightarrow (64 \div 4) = 16$$

Hence, the correct answer is option (d).

3. (b), The eye is a body part, and seeing is the action it performs. Similarly, skin is a body part, and feeling is the action it performs.
4. (c), Statements

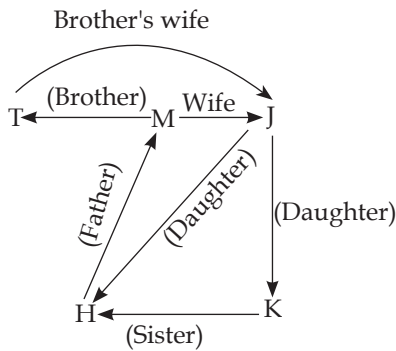


**Conclusions**



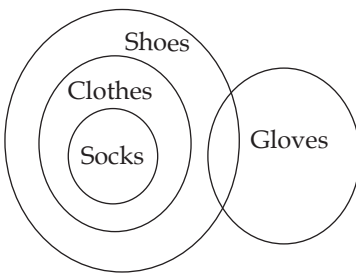
As per given diagram both conclusions I and II are correct.

5. (b), As per given information,

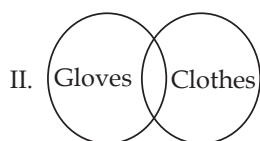
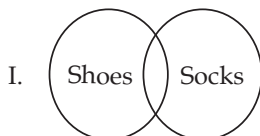


As per given diagram J is T's brother's wife.

6. (a), Statement

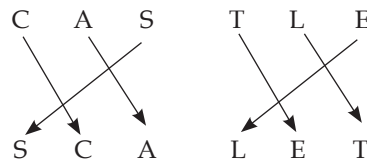


**Conclusions**

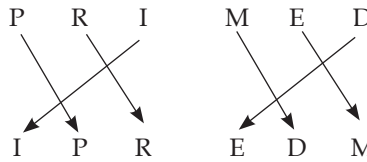


As per given Venn diagram only conclusion I is correct.

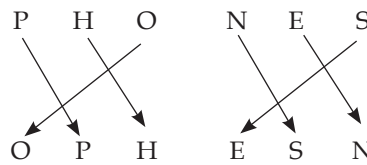
7. (a), Just as,



and

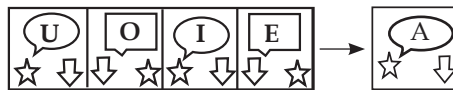


Similarly,



So, PHONES will be coded as OPHESN.

8. (c), As per given information



So, correct option is (c).

9. (c), According to the given information,

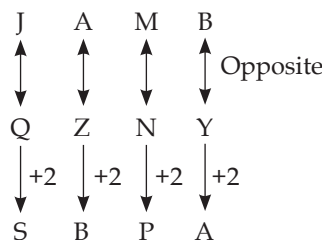
$$B \boxed{L} O W \rightarrow 3 \boxed{5} 1 7$$

$$\boxed{L} I F E \rightarrow 4 2 \boxed{5} 8$$

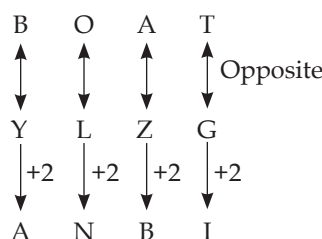
$$L \rightarrow 5$$

So, L will be coded as 5.

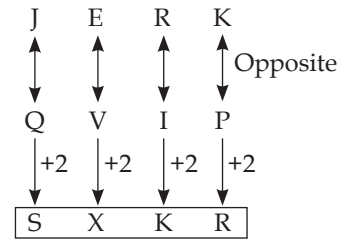
10. (d), Just as,



And,



Similarly,



So, JERK will be coded as SXKR.

11. (c), According to question,

'+' means '÷',

'-' means '×',

'÷' means '+',

'×' means '-'

Changing as per given information

$$\Rightarrow 19 \times 6 + 306 \div 17 - 9 = ?$$

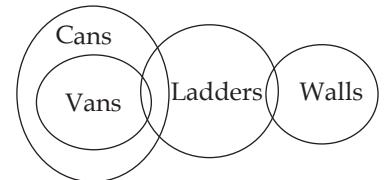
$$\Rightarrow 19 \times 6 + 306 \div 17 - 9 = ?$$

$$\Rightarrow 19 \times 6 + 18 - 9 = ?$$

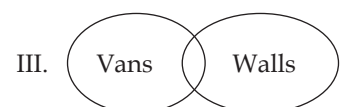
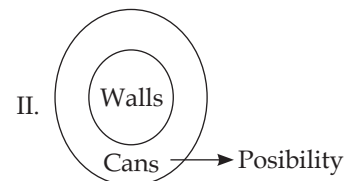
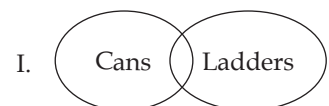
$$\Rightarrow 114 + 18 - 9 = 123$$

So, correct answer is 123.

12. (a), Statements



**Conclusions**



As per given Venn diagram both conclusion I and II are correct.

13. (c), The logic followed here is: HUGE

HUGE/HUGE/HUGE/HUGE

So, correct answer is HEGUHUE.

# SSC

## Selection Post Matriculation PYQ Solved Paper

Held On 21 June, 2024 Shift 1

### General Intelligence

1. In a certain code language, 'BREWING' is written as 'CIFDJMH' and 'ANCIENT' is written as 'BMDRFMU'. How will 'MUSEUMS' be written in that language?

(a) NFTVVNT (b) HITUOPL  
(c) BADGGIU (d) MULCSPE

2. Select the option that represents the letters that, when sequentially placed from left to right in the following blanks, will complete the letter-series.

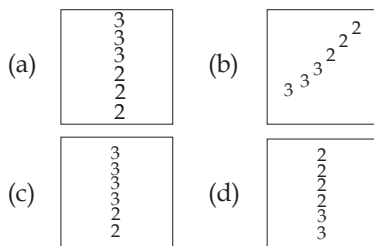
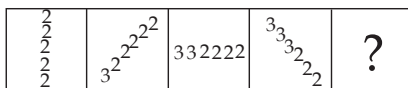
P \_ \_ S H \_ B K \_ H P B \_ S \_ P B \_ \_ H

(a) BKPSKHKS  
(b) BKPSKSKS  
(c) KBSKPHKS  
(d) KSBKPHKS

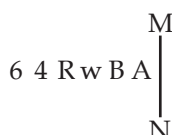
3. In a certain code, TAPE is coded as WDSH and SACK is coded as VDFN. What is the code for MANY?

(a) BDQP (b) PDBQ  
(c) BQDP (d) PDQB

4. Identify the figure given in the options which when put in place of ? will logically complete the series.



5. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- (a) A B w R B d (b) V B w R B d  
(c) A B w R 6 4 (d) V B w R 6 4

6. 'A + B' means 'A is the mother of B', 'A ÷ B' means 'A is the husband of B', 'A & B' means 'A is the wife of B', 'A × B' means 'A is the sister of B', 'A - B' means 'A is the son of B'.

If 'H - D + C × B ÷ A + X', then how is D related to X?

(a) Mother  
(b) Father  
(c) Mother's mother  
(d) Father's mother

7. Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Shirt : Trouser :: Shoes : ?

(a) Socks (b) Leather  
(c) Sandal (d) Polish

8. Which of the following letter-clusters will replace the question mark (?) in the given series?

IQAF, JRBG, KSCH, ?, MUEJ.

(a) LTDI (b) MTDI  
(c) KTDI (d) LTCJ

9. What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$(14 \div 2) - (16 \times 4) + 12 = ?$

(a) 16 (b) 25  
(c) 20 (d) 32

10. Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.

POWER : QOYEU :: FIRST : GITSW  
:: BEING : ?

- (a) CFJNK (b) CEJNK  
(c) DFKNK (d) CEKNJ

11. In a certain code language, R + T means 'R is the sister of T', R - T means 'R is the father of T', R \* T means 'R is the wife of T', R ÷ T means 'R is the mother of T'.

Based on the above, how is L related to S if 'K - L ÷ P \* Q - R + S \* T'?

(a) Sister  
(b) Mother  
(c) Mother's mother  
(d) Wife

12. In a certain code language, 'CUP' is coded as '45' and 'FIT' is coded as '50'. How will 'FUN' be coded in that language?

(a) 44 (b) 40  
(c) 48 (d) 55

13. Select the option that is related to the fifth number in the same way as the fourth number is related to the third number and the second number is related to the first number.

27 : 9 :: 125 : 25 :: 64 : ?

(a) 16 (b) 23  
(c) 13 (d) 21

14. In this question, three statements are given, 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 follows/follow from the statements.

Statements:

I. No fact is a truth.

II. No truth is a detail.

III. Some details are points.

Conclusions:

I. Some points are facts.

II. No point is a truth.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both conclusions I and II follow

(d) Neither conclusion I nor II follows

15. Select the option that represents the letters that, when sequentially placed in the blanks below, will complete the letter-series.

kr\_om\_kry\_mt\_ \_yom\_kryo\_t

- (a) tkyromk (b) ytokrtm  
(c) ytkrotm (d) tykormt

16. Select the number from among the given options that can replace the question mark (?) in the following series.

13, ?, 25, 37, 53, 73

- (a) 19 (b) 15  
(c) 17 (d) 21

17. In a code language, 'football and cricket' is written as 'aa dd ee', 'cricket is game' is written as 'ee rr ss', and 'football or cricket' is written as 'dd bb ee'. What is the code for the word 'or' in that language?

- (a) bb (b) dd  
(c) ee (d) ss

18. Two statements are given, 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:

- 1) All bottles are doors.  
2) All doors are pens.

Conclusions:

- I. All doors are bottles.  
II. All pens are doors.

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

19. Which of the following terms will replace the question mark (?) in the given series?

JPNH, IRMI, HTLJ, GVKK, ?

- (a) FXJL (b) EXJN  
(c) EZJN (d) FZJP

20. In a certain code language, 'MUTUAL' is written as 'OXVXCO' and 'REASON' is written as 'THCVQQ'. How will 'SERIES' be written in that language?

- (a) UHTKHU  
(b) UHTLGV  
(c) VHTKGU  
(d) VHTKHW

21. In a certain code language, 'CONTEXT' is written as 'DNOSFWU' and 'OUTLOOK' is written as 'PTUKPNL'. How will 'CLIMATE' be written in that language?

- (a) DKKLCSF (b) EKJLCSE  
(c) EKJLCSG (d) DKJLBSF

22. Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Country 2. City  
3. Town 4. State  
5. District

- (a) 3, 5, 2, 4, 1 (b) 3, 2, 4, 1, 5  
(c) 3, 2, 5, 4, 1 (d) 3, 2, 4, 5, 1

23. If ROW is coded as 3 and LAND is coded as 4, FRIGHTENED will be coded as \_\_\_\_\_.

- (a) 25 (b) 20  
(c) 10 (d) 15

24. Which two numbers (not individual digits) should be interchanged to make the given equation correct?

$$3 \times 9 \times 7 - 18 \times 4 + (72 \div 8) - 21 = 186$$

- (a) 7 and 4 (b) 3 and 4  
(c) 9 and 8 (d) 18 and 21

25. Which option represents the correct order of the given words as they would appear in an English dictionary?

1. FEARED  
2. FAIRER  
3. FIRED  
4. FERRIED  
5. FARED

- (a) 1, 3, 5, 4, 2 (b) 2, 1, 5, 3, 4  
(c) 2, 5, 1, 4, 3 (d) 1, 2, 5, 3, 4

## General Awareness

1. Who called the preamble of the Indian Constitution 'The Political Horoscope of our Constitution'?

- (a) Dr. KM Munshi  
(b) Sir Alladi Krishnaswamy Iyer  
(c) M. Hidayatullah  
(d) Sir Ernest Baker

2. Which Olympian authored the book titled 'A Shot at History: My Obsessive Journey to Olympic Gold'?

- (a) Leander Paes  
(b) PV Sindhu  
(c) Mary Kom  
(d) Abhinav Bindra

3. At which place is Harappan Dockyard found?

- (a) Surkotada (b) Amri  
(c) Banawali (d) Lothal

4. Henry Louis Vivian Derozio, a teacher at Hindu College, Calcutta, in the 1820s, promoted radical ideas and encouraged his pupils to question all authority. Referred to as the \_\_\_\_\_, his students attacked tradition and custom, demanded education for women and campaigned for the freedom of thought and expression.

- (a) Young Christian Movement  
(b) Young Men's Movement  
(c) Young Radical Movement  
(d) Young Bengal Movement

5. Which is the weakest intermolecular force, considered as the Van der Waals force, often found in halogens, noble gases and other non-polar molecules?

- (a) London dispersion forces  
(b) Ion-dipole forces  
(c) Dipole-induced dipole forces  
(d) Dipole-dipole forces

6. Which chromosome is involved in the production of 'masked' mRNAs for early development?

- (a) Polytene chromosome  
(b) Lampbrush chromosome  
(c) Autosomal chromosome  
(d) Sex chromosome

7. The festival of Ram Navami is celebrated in which of the following Hindu months?

- (a) Magh (b) Falgun  
(c) Chaitra (d) Kartik

8. Which of the following movement is known as first Satyagraha led by Mahatma Gandhi?

- (a) Kheda movement  
(b) Ahmedabad movement  
(c) Quit India Movement  
(d) Champaran movement

9. The Constitution of India was adopted on 26<sup>th</sup> November in \_\_\_\_\_.

- (a) 1949 (b) 1947  
(c) 1950 (d) 1948

10. A primitive form of cultivation called Bewar is practised in which state?

- (a) Madhya Pradesh  
(b) Andhra Pradesh  
(c) Odisha  
(d) Mizoram





13. (a), Just as

$$\begin{array}{cc} 27 & : & 9 \\ \uparrow & & \uparrow \\ 3^3 & : & 3^2 \end{array}$$

And

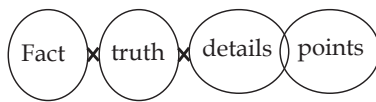
$$\begin{array}{cc} 125 & : & 25 \\ \uparrow & & \uparrow \\ 5^3 & : & 5^2 \end{array}$$

Similarly

$$\begin{array}{cc} 64 & : & \boxed{16} \\ \uparrow & & \uparrow \\ 4^3 & : & 4^2 \end{array}$$

So, correct answer is 16.

14. (d), Statements



Conclusions



As per given venn diagram neither conclusion I nor II is correct.

15. (b), Series follow here : kryomt  
kryomt / kryomt / kryomt / kryomt  
So, correct answer is ytokrtm.

16. (c), According to question

$$\begin{array}{ccccc} 13 & \boxed{17} & 25 & 37 & 53 & 73 \\ \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} & \boxed{\phantom{00}} \\ +4 & +8 & +12 & +16 & +20 \end{array}$$

So, correct answer is 17.

17. (a), As per given information

football and cricket  $\rightarrow$  aa dd ee

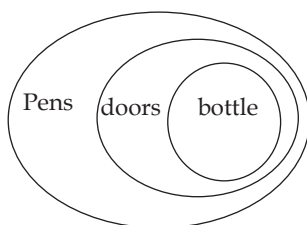
cricket is game  $\rightarrow$  ee rr ss

football or cricket  $\rightarrow$  dd bb ee

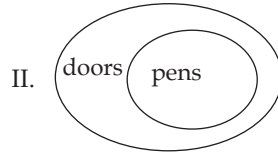
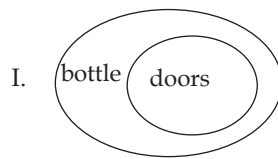
or  $\rightarrow$  bb

So, or will be coded as bb.

18. (d), Statements



Conclusions



As per given venn diagram neither conclusion I nor II is correct.

19. (a), According to question

$$\begin{array}{l} J \xrightarrow{-1} I \xrightarrow{-1} H \xrightarrow{-1} G \xrightarrow{-1} F \\ P \xrightarrow{+2} R \xrightarrow{+2} T \xrightarrow{+2} V \xrightarrow{+2} X \\ N \xrightarrow{-1} M \xrightarrow{-1} L \xrightarrow{-1} K \xrightarrow{-1} J \\ H \xrightarrow{+1} I \xrightarrow{+1} J \xrightarrow{+1} K \xrightarrow{+1} L \end{array}$$

So, FXJL is correct answer.

20. (b), Just as

$$\begin{array}{ccccc} M & U & T & U & A & L \\ \downarrow +2 & \downarrow +3 & \downarrow +2 & \downarrow +3 & \downarrow +2 & \downarrow +3 \\ O & X & V & X & C & O \end{array}$$

And

$$\begin{array}{ccccc} R & E & A & S & O & N \\ \downarrow +2 & \downarrow +3 & \downarrow +2 & \downarrow +3 & \downarrow +2 & \downarrow +3 \\ T & H & C & V & Q & Q \end{array}$$

Similarly

$$\begin{array}{ccccc} S & E & R & I & E & S \\ \downarrow +2 & \downarrow +3 & \downarrow +2 & \downarrow +3 & \downarrow +2 & \downarrow +3 \\ U & H & T & L & G & V \end{array}$$

So, SERIES will be coded as "UHTLGV".

21. (d), Just as

$$\begin{array}{ccccc} C & O & N & T & E & X & T \\ \downarrow +1 & \downarrow -1 & \downarrow +1 & \downarrow -1 & \downarrow +1 & \downarrow -1 & \downarrow +1 \\ D & N & O & S & F & W & U \end{array}$$

And

$$\begin{array}{ccccc} O & U & T & L & O & O & K \\ \downarrow +1 & \downarrow -1 & \downarrow +1 & \downarrow -1 & \downarrow +1 & \downarrow -1 & \downarrow +1 \\ P & T & U & K & P & N & L \end{array}$$

Similarly

$$\begin{array}{cccccc} C & L & I & M & A & T & E \\ \downarrow +1 & \downarrow -1 & \downarrow +1 & \downarrow -1 & \downarrow +1 & \downarrow -1 & \downarrow +1 \\ D & K & J & L & B & S & F \end{array}$$

So, CLIMATE will be coded as "DKJLBSF".

22. (c), As per given information

3. Town - The smallest unit in this hierarchy, representing a small population center.

2. City - Several towns come under a City, a larger administrative unit.

5. District - A district may include one or more cities, which are larger and more developed than cities.

4. State - Cities and districts together make up a state, a significant administrative division.

1. Country - Multiple states together form a country, the largest administrative unit in this hierarchy.

So, the order would be '3, 2, 5, 4, 1'.

23. (c), Logic follow here: Number of alphabets in the word = Code.

Just as

ROW : 3

'ROW' has 3 alphabets, so, it is coded as 3.

And

LAND : 4

'LAND' has 4 alphabets, so, it is coded as 4.

Similarly,

FRIGHTENED : ?

'FRIGHTENED' has 10 alphabets, so, it will be coded as 10.

So, 'FRIGHTENED' will be coded as 10.

24. (b), According to question

$$3 \times 9 \times 7 - 18 \times 4 + (72 \div 8) - 21 = 186$$

After interchanged 3 and 4

$$\Rightarrow 4 \times 9 \times 7 - 18 \times 3 + (72 \div 8) - 21 = 186$$

$$\Rightarrow 4 \times 9 \times 7 - 18 \times 3 + 9 - 21 = 186$$

$$\Rightarrow 252 - 54 + 9 - 21 = 186$$

$$\Rightarrow 261 - 54 - 21 = 186$$

$$\Rightarrow 186 = 186 \text{ (balance)}$$

So, correct answer is option (b).

25. (c), The correct dictionary order is:

2. FAIRER



# SSC

## Selection Post Matriculation

## PYQ Solved Paper

Held On 20 June, 2024 Shift 4

### General Intelligence

- Select the option that represents the correct order of the given words as they would appear in an English dictionary.
  - Discover
  - Disperse
  - Disjointed
  - Discard
  - Disposable
  - Discriminate

(a) 4, 1, 6, 2, 3, 5 (b) 4, 1, 6, 5, 3, 2  
(c) 4, 6, 1, 3, 2, 5 (d) 4, 1, 6, 3, 2, 5
- In a certain code language, 'X + Y' means 'X is the mother of Y', 'X \* Y' means 'X is the father of Y', 'X - Y' means 'X is the daughter of Y', 'X % Y' means 'X is the wife of Y'.  
Based on the above, how is A related to D if 'A - B \* C + D'?
  - Daughter
  - Mother's sister
  - Mother
  - Mother's mother
- What will come in place of the question mark (?) in the following equation if '+' and 'x' are interchanged and '-' and '÷' are interchanged?  
 $16 - 4 + 7 \times 8 \div 1 = ?$ 
  - 23
  - 47
  - 15
  - 35
- Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)  
 Car : Garage :: Clothes : ?
  - Bus
  - Wardrobe
  - Dress
  - Iron
- Select the option that is related to the fifth number in the same way as the fourth number is related to the third number and the second number is related to the first number.  
 $16 : 36 :: 64 : 100 :: 25 : ?$ 
  - 49
  - 47
  - 45
  - 61
- In a certain code language, 'ABROAD' is written as 'SCBFCQ' and 'ACCEPT' is written as 'DDBVRG'. How will 'ACTION' be written as in that language?
  - UDBPQK
  - TCANOI
  - TCAPQK
  - VECPQK
- In a certain code language, 'WHITE' is written as 'FSJGX' and 'COLOR' is written as 'SNMND'. How will 'SHIRT' be written as in that language?
  - TGJQU
  - UQJIT
  - UQJGT
  - UPJGT
- In a certain code language, 'FLUTE' is written as 'VGFOU' and 'EXILE' is written as 'VORCV'. How will 'BLOOD' be written in that language?
  - WLOXY
  - WLLOB
  - WLLOY
  - WLLDB
- In a certain code language, 'SEQUINS' is written as 'HVJFKPU' and 'REACTED' is written as 'IVZXVGF'. How will 'PROCESS' be written in that language?
  - TRUIWDM
  - LOPKFGH
  - BDIUNMO
  - KILXGUU
- In a certain code language, 'A + B' means 'A is the mother of B', 'A - B' means 'A is the brother of B', 'A x B' means 'A is the wife of B' and 'A ÷ B' means 'A is the father of B'.  
How is C related to E if  $A + B \div C \times D - E$ ?
  - Brother's wife
  - Sister
  - Sister's husband
  - Mother
- In this question, three statements are given, 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 follows/follow from the statements.  
 Statements:  
 I. Some clay are soils  
 II. Some soil are mud.  
 III. Some mud are dust.  
 Conclusions:  
 I. Some clay are dust.  
 II. All dust are soil.
  - Both conclusions I and II follow
  - Only conclusion II follows
  - Neither conclusion I nor II follows
  - Only conclusion I follows
- Which of the following letter-clusters will replace the question mark (?) in the given series?  
 IBDA, MFHE, QJLI, ?, YRTQ
  - UNPM
  - UNTM
  - QNPQ
  - VNPM
- Select the correct mirror image of the given figure when the mirror is placed at line MN as shown below.
 
  - Я Ј 8 E W 9 9
  - Я Ј 8 E W 2 9
  - Я 7 8 E M 2 9
  - Ь 2 M E 8 7 K
- Which of the following terms will replace the question mark (?) in the given series?  
 SOWJ, QPUK, OQSL, ?, KSON
  - MSQN
  - MRQM
  - NRPM
  - NQQL

15. In a certain code language, CAT is written as 24 and LATE is written 38. How will DOLL be written in the same language?

(a) 47 (b) 39  
(c) 43 (d) 40

16. Which two numbers (not individual digits) should be interchanged to make the given equation correct?

$$[(39 - 3) \div 6] + 11 \times 2 - 4 \times 5 = 13$$

(a) 11 and 4 (b) 2 and 6  
(c) 2 and 5 (d) 3 and 6

17. Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.

ROYAL : ALZRO :: ABOUT :  
UTPAB :: POLES :: ?

(a) ESNPQ (b) FRMQN  
(c) FSNPR (d) ESMPO

18. Which of the following numbers will replace the question mark (?) in the given series?

5, 3, 20, 9, 80, 27, 320, ?

(a) 100 (b) 89  
(c) 81 (d) 90

19. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

AGMZ, CEOX, ECQV, ?

(a) GAST (b) GBTS  
(c) GCSW (d) GDSX

20. In a code language, 'government help people' is written as 'abc pqr mno', 'people live happily' is written as 'efg xyz pqr', and 'people choose government' is written as 'abc pqr ijk'. What is the code for the word 'choose' in that language?

(a) abc (b) ijk  
(c) pqr (d) xyz

21. Select the option that represents the letters that, when sequentially placed from left to right in the blanks, will complete the letter series.

\_ R \_ \_ A R \_ O \_ \_ G O A \_ G O

(a) A G O G R A A  
(b) A G O G A R R  
(c) A A G O G R R  
(d) A G G O A R R

22. According to the series given below, fill in the blank with a suitable letter that would satisfy the series.

Z, B, D, F, H, \_\_\_\_\_

(a) J (b) N  
(c) K (d) I

23. Identify the option figure that can replace the question mark (?) in the following series to logically complete the series?

G 9	S 8	9 S	8 G	
8 2 S	9 4 G	G 6 8	S B 9	?

(a) 

S	8
10	G
G	9

 (b) 

S	G
8	
9	10

(c) 

G	8
8	
S	9

 (d) 

S	8
10	
9	G

24. Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Rain  
2. Sea  
3. Evaporation  
4. Clouds

(a) 3, 4, 1, 2  
(b) 2, 3, 4, 1  
(c) 1, 2, 4, 3  
(d) 1, 2, 3, 4

25. Three statements are given, 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 follow(s) from the statements.

Statements:

Some cars are bikes.  
All bikes are trucks.  
Some trucks are buses.

Conclusions:

I. Some trucks are cars.  
II. All buses are cars.  
III. Some cars are buses.  
IV. All bikes are buses.

(a) Only conclusion I follows  
(b) Only conclusions I and IV follow  
(c) Only conclusions II and III follow  
(d) Only conclusions I, II and IV follow

## General Awareness

- Which of the following classes has the largest number of animals?  
(a) Insects (b) Pisces  
(c) Mammals (d) Reptiles
- On 7<sup>th</sup> March 2022, the Government initiated a scheme to re-enrol out-of-school adolescent girls (OoS AG) in the age group of 11-14 years. What is the name of the scheme?  
(a) Rashtriya Madhyamik Shiksha Abhiyan  
(b) Kanya Shiksha Pravesh Utsav  
(c) National Scheme of Incentives to Girls for Secondary Education  
(d) Prerna Scheme
- Which of the following Articles of the Constitution of India states about the executive power of the Union?  
(a) Article 55 (b) Article 52  
(c) Article 53 (d) Article 54
- What is the name of the farmer's parliament formed by the villagers in 1999 with the primary objective of safeguarding community efforts to conserve and utilise their scarce natural resources?  
(a) Arvari Sansad  
(b) Renuka Sansad  
(c) Siddhi Sansad  
(d) Kulsi Sansad
- From the given alternatives, identify an inner planet.  
(a) Saturn (b) Jupiter  
(c) Mercury (d) Uranus
- As per the 2011 census, what is the density of population in Arunachal Pradesh?  
(a) 19 persons/km<sup>2</sup>  
(b) 18 persons/km<sup>2</sup>  
(c) 20 persons/km<sup>2</sup>  
(d) 17 persons/km<sup>2</sup>
- The term 'bishop' is associated with which game?  
(a) basketball (b) hockey  
(c) chess (d) golf
- Which of the following is NOT an Indian tournament?  
(a) UEFA Champions League  
(b) Durand Cup  
(c) Santosh Trophy  
(d) Subroto Cup

instruments. During Dance Dhamaal the focus is more on the sounds of the instruments. These are often played in a frenzied manner and accompanied by frenzied dance movements. The spiritual songs that are sang during the Dhamaal are known as zikrs.

21. What is played in a Dhamaal song after blowing into a conch shell?

(a) Baithaaki (b) Lyre  
(c) Table (d) Musindo

22. Select the most suitable word from the passage which means 'excited'.

(a) Spiritual (b) Ritual  
(c) Frenzied (d) Percussion

23. What is the tone of the speaker?

(a) Informative  
(b) Biased  
(c) Aggressive  
(d) Sarcastic

24. Who is NOT a spiritual leader of the Siddis?

(a) Baba Habash  
(b) Mai Misra  
(c) Gulam Ali  
(d) Sidi Nabi Sultan

25. Identify the most suitable title for the passage.

(a) What's Missing in Dhamaal?  
(b) The Saga of the Siddis  
(c) Wonders of Indian Dance  
(d) The Bhavnagar Treat

## Explanation

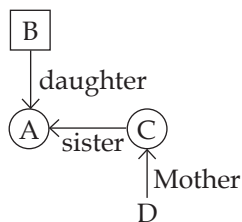
### General Intelligence

1. (d), The correct Dictionary order is:

4. Discard  
1. Discover  
6. Discriminate  
3. Disjointed  
2. Disperse  
5. Disposable

So, the correct order are: '4, 1, 6, 3, 2, 5'.

2. (b), As per given information



So, A is the mother's sister of D.

3. (d), According to question

$$16 - 4 + 7 \times 8 \div 1 = ?$$

After replacing the signs,

$$\Rightarrow 16 \div 4 \times 7 + 8 - 1 = ?$$

$$\Rightarrow 4 \times 7 + 8 - 1 = ?$$

$$\Rightarrow 28 + 8 - 1 = ?$$

$$\Rightarrow 36 - 1 = 35$$

So, the correct answer is "35".

4. (b), A garage is a place to store a car. Similarly Wardrobe is a place to store Clothes.

5. (a), Just as

$$16 : 36$$

$$(\sqrt{1^{\text{st}} \text{ number}} + 2)^2 = 2^{\text{nd}} \text{ number.}$$

$$\Rightarrow (\sqrt{16} + 2)^2 = (4 + 2)^2 = 6^2 = 36.$$

And

$$64 : 100$$

$$(\sqrt{1^{\text{st}} \text{ number}} + 2)^2 = 2^{\text{nd}} \text{ number.}$$

$$\Rightarrow (\sqrt{64} + 2)^2 = (8 + 2)^2 = 10^2 = 100.$$

Similarly,

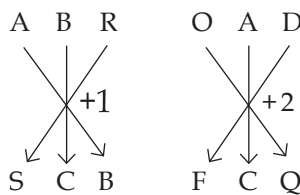
$$25 : ?$$

$$(\sqrt{1^{\text{st}} \text{ number}} + 2)^2 = 2^{\text{nd}} \text{ number.}$$

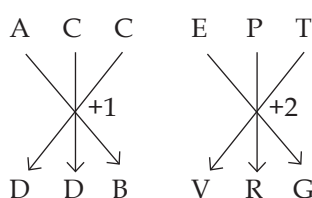
$$\Rightarrow (\sqrt{25} + 2)^2 = (5 + 2)^2 = 7^2 = 49.$$

So, correct answer is 49.

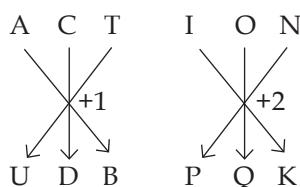
6. (a), Just as



And

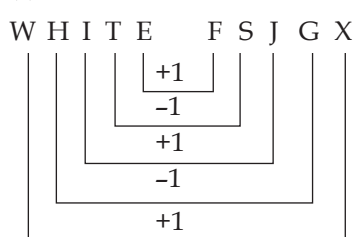


Similarly

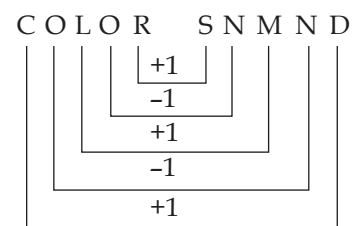


So, ACTION will be coded as UDBPQK.

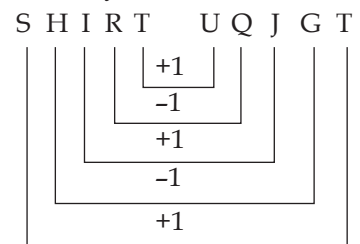
7. (c), Just as



And

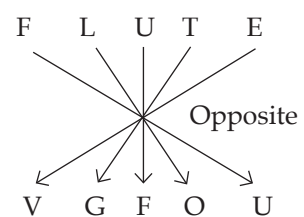


Similarly

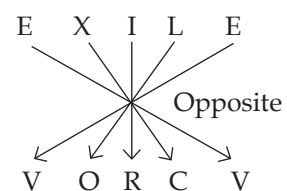


So, SHIRT will be coded as UQJGT.

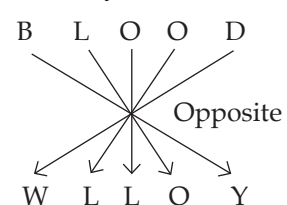
8. (c), Just as



And

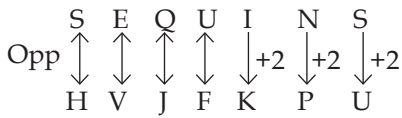


Similarly

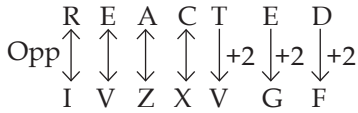


So, BLOOD will be coded as WLLOY.

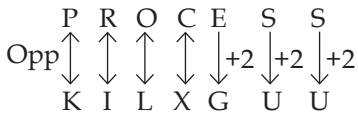
9. (d), Just as



And

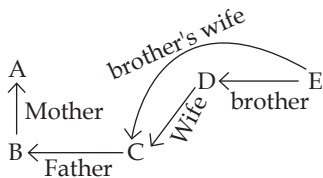


Similarly



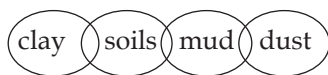
So, PROCESS will be coded as KILXGUU.

10. (a), According to question

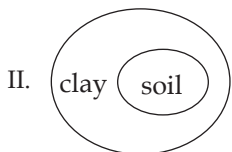
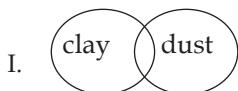


As per diagram c is brother's wife of E.

11. (c), Statements

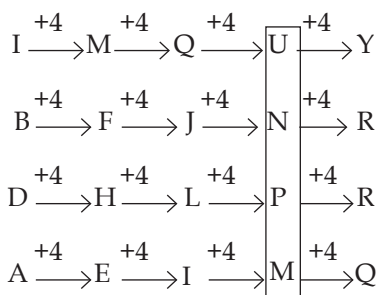


Conclusions



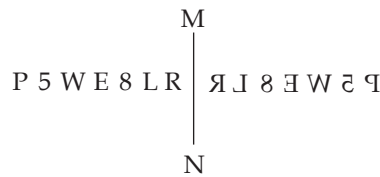
As per given venn diagram neither conclusion I nor II is correct.

12. (a), According to question



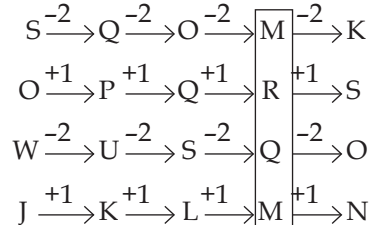
So, UNPM is correct answer.

13. (b), Mirror image



So, correct answer is option (b).

14. (b), According to question

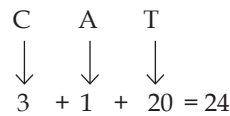


So, MRQM is correct answer.

15. (c), Just as

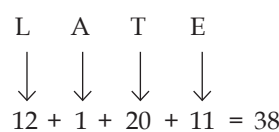
CAT : 24

Sum of the place value of all numbers = Code of the word.



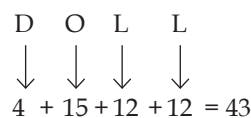
And

LATE : 38



Similarly,

DOLL : ?



So, 'DOLL' will be coded as '43'.

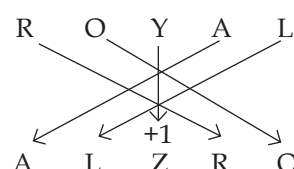
16. (d), According to question

Interchanged 3 and 6 to make the given equation correct.

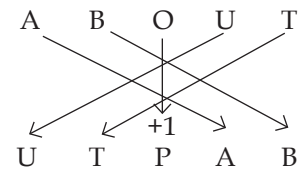
$\begin{aligned} \Rightarrow [(39 - 6) \div 3] + 11 \times 2 - 4 \times 5 &= 13 \\ \Rightarrow [33 \div 3] + 11 \times 2 - 4 \times 5 &= 13 \\ \Rightarrow 11 + 11 \times 2 - 4 \times 5 &= 13 \\ \Rightarrow 11 + 22 - 20 &= 13 \\ \Rightarrow 33 - 20 &= 13 \\ \Rightarrow 13 &= 13 \text{ (balance)} \end{aligned}$

So, correct option is (d).

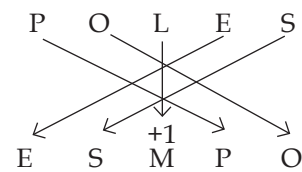
17. (d), Just as



And

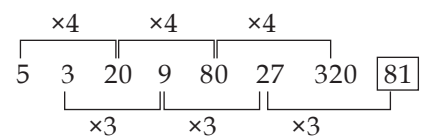


Similarly



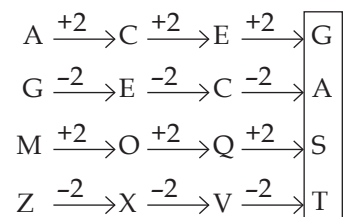
So, POLES will be coded as ESMPO.

18. (c), According to question



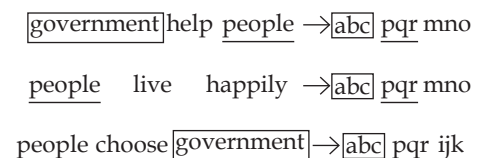
So, correct answer is 81.

19. (a), According to question



So, the correct answer is "GAST".

20. (b), According to the given information,

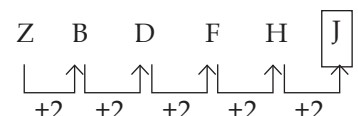


Choose  $\rightarrow$  ijk

So, 'choose' will be coded as 'ijk'.

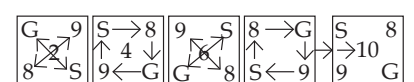
21. (b), Series follow here : ARGO  
 $\underline{A} \underline{R} \underline{G} \underline{O} / \underline{A} \underline{R} \underline{G} \underline{O} / \underline{A} \underline{R} \underline{G} \underline{O} / \underline{A} \underline{R} \underline{G} \underline{O}$   
 So, correct answer is A G O G A R R.

22. (a), According to question



So, the correct answer is "J".

23. (d), As per given information



So, correct answer is option (d).



# SSC

## Selection Post Matriculation PYQ Solved Paper

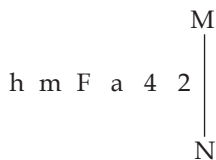
Held On 20 June, 2024 Shift 1

### General Intelligence

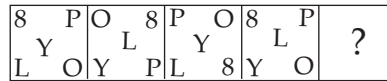
1. What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and also 'x' and '÷' are interchanged?

$$9 \div 145 \times 29 - 75 + 13 = ?$$

- (a) 124 (b) 107  
(c) 113 (d) 137
2. Select the option that represents the letters that, when sequentially placed in the blanks below, will complete the letter-series.  
e\_bho\_etb\_\_met\_hom\_tbhom
- (a) tmbhoe (b) mhtobe  
(c) hmtebo (d) tmhobe
3. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- (a) 2 4 a F m h  
(b) 4 2 a F m h  
(c) 2 4 e F m h  
(d) 2 4 F a m h
4. Which of the following letter-clusters will replace the question mark (?) in the given series?  
BINZ, EJOY, HKPX, ?, NMRV
- (a) KLRW (b) KLQW  
(c) JLQW (d) JLRW
5. In a certain code language, 'GROUP' is written as '7T15W16' and 'STATE' is written as '19V1V5'. How will 'RIGHT' be written in that language?
- (a) 18J7J20 (b) 17K8J20  
(c) 18K7J20 (d) 18K8K20
6. Identify the option figure that can replace the question mark (?) in the following series to logically complete the series?



- (a) (b)   
(c) (d)

7. In a certain code language 'WHEAT' is written as 'AMIFX' and 'BLACK' is written as 'FQEHQ'. How will 'GREASE' be written in the same code language?

- (a) KWIGWI (b) KWIFWJ  
(c) KWIFVJ (d) KWIFWI

8. In this question, three statements are given, 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 follows/follow from the statements.

Statements:

- I. Some bamboos are sticks.  
II. All canes are sticks.  
III. All canes are twigs.

Conclusions:

- I. Some bamboos are twigs.  
II. Some twigs are sticks.
- (a) Neither conclusion I nor II follows  
(b) Only conclusion I follows  
(c) Only conclusion II follows  
(d) Both conclusions I and II follow
9. In a certain code language,  
'P \* Q' means 'P is the father of Q',  
'P # Q' means 'P is the sister of Q',  
'P + Q' means 'P is the brother of Q',  
'P = Q' means 'P is the mother of Q',  
'P - Q' means 'P is the son of Q'.

Based on the above, how is P related to R if 'P \* Q = R'?

- (a) Mother's brother  
(b) Mother's father  
(c) Brother  
(d) Father

10. Select the option that represents the letters that, when sequentially placed from left to right in the blanks, will complete the letter series.

r \_ m \_ s \_ t \_ i \_ m s s \_ r i m \_ \_ s t

- (a) i m s r m t m s  
(b) i m s r s t s s  
(c) i s m r m t m s  
(d) i m s r t t m s

11. Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Convict : Prison :: Eskimo : ?

- (a) Cottage (b) Palace  
(c) Hut (d) Igloo

12. If WATER is coded as 30 and ORANGE is coded as 36, what will EIGHT be coded as?

- (a) 25 (b) 36  
(c) 42 (d) 30

13. In a certain code language, 'BLOOD' is written as 'CNRST' and 'VEINS' is written as 'WGLRX'. How will 'HEART' be written in that language?

- (a) IGDVY (b) IGVDY  
(c) IGDYV (d) IGYDV

14. Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.

LINK : JGKN :: THAT : RFTA :: GROW : ?

- (a) EQVP (b) EQXO  
(c) EPWO (d) FQVO

15. In a certain code language, 'LAST' is coded as '5489', and 'SILT' is coded as '9465'. What is the code for 'T' in that language?  
 (a) 4 (b) 9  
 (c) 6 (d) 5
16. In a certain code language,  
 A + B means 'A is the mother of B',  
 A - B means 'A is the brother of B',  
 A × B means 'A is the wife of B',  
 A ÷ B means 'A is the father of B'.  
 Based on the above, how is O related to M if 'C - O ÷ L × U ÷ M ÷ N'?
- (a) Mother's mother  
 (b) Father's father  
 (c) Mother's father  
 (d) Father's brother
17. What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and also '×' and '÷' are interchanged?  
 $88 - 7 \div 65 \times 13 + 34 = ?$   
 (a) 89 (b) 94  
 (c) 101 (d) 76
18. Which of the following terms will replace the question mark (?) in the given series?  
 MBZT, KYBW, IVDZ, ?, EPHF  
 (a) GRFB (b) FSGC  
 (c) GSFC (d) FRGB
19. Following certain logic, 64 is related to 16 and 100 is related to 25. To which of the following is 144 related, following the same logic?  
 (a) 72 (b) 36  
 (c) 24 (d) 48
20. Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter-series.  
 a \_ m x \_ q \_ y c \_ o \_  
 (a) pnbrz (b) pbnrz  
 (c) prnbx (d) nbprz
21. Select the option that indicates the correct arrangement of the given words in the order in which they appear in an English dictionary.  
 1. Expert, 2. Exotic, 3. Explicit  
 4. Expense, 5. Expanse  
 (a) 2, 5, 4, 1, 3 (b) 3, 5, 2, 1, 4  
 (c) 4, 2, 5, 1, 3 (d) 3, 4, 5, 1, 2
22. In a certain code language, 'BORE' is coded as '7513', and 'ROTE' is coded as '1457'. What is the code for 'T' in that language?  
 (a) 1 (b) 3  
 (c) 5 (d) 4
23. Select the option that represents the correct order of the given words as they would appear in an English dictionary.  
 1. Neural  
 2. Newspaper  
 3. Neglect  
 4. Newfound  
 5. Neutron  
 6. Nephew  
 (a) 3, 6, 5, 1, 4, 2 (b) 3, 6, 1, 5, 4, 2  
 (c) 3, 6, 1, 4, 5, 2 (d) 3, 1, 6, 5, 4, 2
24. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.  
**Statements:**  
 1. All mats are sheets.  
 2. No sheet is a paper.  
 3. Some papers are notebooks.  
**Conclusions:**  
 I. No mat is a paper.  
 II. Some sheets are notebooks.  
 (a) Both conclusions I and II follow  
 (b) Only conclusion I follows  
 (c) Only conclusion II follows  
 (d) Neither conclusion I nor II follows
25. Which of the following numbers will replace the question mark (?) in the given series?  
 168, 191, 218, 249, 284, ?  
 (a) 333 (b) 323  
 (c) 319 (d) 329
4. Which type of muscles do the uterus, iris of the eye, and bronchi contain?  
 (a) Smooth muscles  
 (b) Striated muscles  
 (c) Skeletal muscles  
 (d) Cardiac muscles
5. Who among the following personalities renounced his knighthood after the Jallianwala Bagh massacre?  
 (a) Syed Ahmed Khan  
 (b) CV Raman  
 (c) Rabindranath Tagore  
 (d) JC Bose
6. The Quit India Resolution was ratified in the \_\_\_\_ session of Indian National Congress to launch the movement.  
 (a) Bombay (b) Bankipur  
 (c) Lucknow (d) Nagpur
7. Where was the first cement plant located in India in the year 1904?  
 (a) Jaipur (b) Rajkot  
 (c) Chennai (d) Hyderabad
8. Alarippu, Jatiswaram, Shabdham, Varnam and Tillana are regular patterns of which of the following classical dance forms of India?  
 (a) Sattriya  
 (b) Bharatanatyam  
 (c) Manipuri  
 (d) Kathak
9. The Federal Court of India was established in Delhi by the Act of \_\_\_\_.  
 (a) 1908 (b) 1919  
 (c) 1905 (d) 1935
10. The Asian Games is also known as \_\_\_\_.  
 (a) Asiad  
 (b) World Cup  
 (c) Commonwealth Games  
 (d) National Games
11. The Union Cabinet has approved to extend the Pradhan Mantri Ujjwala Yojana (PMUY) for how many years in September 2023?  
 (a) Two years  
 (b) Five years  
 (c) Three years  
 (d) Seven years
12. The density of population is the crude relationship between human and \_\_\_\_.  
 (a) land (b) family  
 (c) growth (d) capital

## General Awareness

1. During a National Emergency, the term of Lok Sabha can be extended for:  
 (a) three months at a time  
 (b) six months at a time  
 (c) one year at a time  
 (d) two years at a time
2. In which of the following sports/games is the term 'bull's eye' used?  
 (a) Chess (b) Kho-kho  
 (c) Shooting (d) Kabaddi
3. Kalidasa was a famous poet in the court of \_\_\_\_.  
 (a) Kanishka  
 (b) Pushyamitra Shunga  
 (c) Harshavardhana  
 (d) Chandragupta II



22. Which of the following statements is NOT correct, according to the passage?

- Chandigarh takes about six years on average to dispose of a case.
- Implementing a law in India is difficult.
- The trial court completes the trial within a period of one year.
- The government and the judiciary need to assess the gaps.

23. What is the view of the writer on one decade of the POCSO Act?

- It has failed in protecting child victims.
- It has brought new problems to children who have become victims.
- It has made the criminal justice system more sensitive towards child victims.
- It has been a complete success in controlling crime against children.

24. Select the most appropriate option to fill in the blank.

The POCSO Act deals with \_\_\_\_\_.

- sexual offenses against children
- offenses against children in their education
- sexual offenses against the mentally challenged
- sexual offenses against women

25. Select the most appropriate ANTONYM of the word 'incarcerate'.

- Invite
- Reject
- Liberate
- Commit

## Explanation

### General Intelligence

1. (b), According to question

$$9 \div 145 \times 29 - 75 + 13 = ?$$

'+' and '-' and 'x' and '÷' are interchanged, then:

$$\Rightarrow 9 \times 145 \div 29 + 75 - 13 = ?$$

$$\Rightarrow 9 \times 5 + 75 - 13 = ?$$

$$\Rightarrow 45 + 75 - 13 = ?$$

$$\Rightarrow 120 - 13 = 107$$

Hence, the correct answer is 107.

2. (d), Series follow here : etbhom

e t b h o m / e t b h o m / e t b h o m / e t b h o m

So, correct answer is t m h o b e.

3. (a), Mirror image

M  
h m F a 4 2 | 5 6 7 m d  
N

So, correct answer is option (a).

4. (b), According to question

B  $\xrightarrow{+3}$  E  $\xrightarrow{+3}$  H  $\xrightarrow{+3}$  K  $\xrightarrow{+3}$  N  
I  $\xrightarrow{+1}$  J  $\xrightarrow{+1}$  K  $\xrightarrow{+1}$  L  $\xrightarrow{+1}$  M  
N  $\xrightarrow{+1}$  O  $\xrightarrow{+1}$  P  $\xrightarrow{+1}$  Q  $\xrightarrow{+1}$  R  
Z  $\xrightarrow{-1}$  Y  $\xrightarrow{-1}$  X  $\xrightarrow{-1}$  W  $\xrightarrow{-1}$  V

So, correct answer is KLQW.

5. (c), Just as

G R O U P  
↓ ↓ ↓ ↓ ↓  
7 T 15 W 16  
And  
S T A T E  
↓ ↓ ↓ ↓ ↓  
19 V 1 V 5

Similarly

R I G H T  
↓ ↓ ↓ ↓ ↓  
18 K 7 J 20

So, RIGHT will be coded as 18K7J20.

6. (c), The given pattern follow in each figure:



8 P O 8 P O 8 P  
Y L Y L Y L  
L O Y P L 8 Y O  
→  
O 8  
Y P

So, correct option is (c).

7. (b), Just as

W H E A T  
↓ ↓ ↓ ↓ ↓  
+4 +5 +4 +5 +4  
A M I F X

And

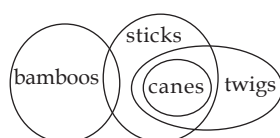
B L A C K  
↓ ↓ ↓ ↓ ↓  
+4 +5 +4 +5 +4  
F Q E H O

Similarly

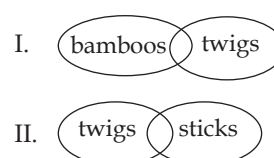
G R E A S E  
↓ ↓ ↓ ↓ ↓  
+4 +5 +4 +5 +4 +5  
K W I F W J

So, GREASE will be coded as KWIFWJ.

8. (c), Statements

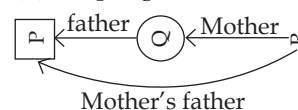


Conclusions



As per given venn diagram only conclusion II is correct.

9. (b), As per given information



So, P is the mother's father of R.

10. (a), The logic followed here is: r i m m s s t

r i m m s s t / r i m m s s t / r i m m s s t

So, correct answer is i m s r m t m s.

11. (d), A convict is someone who is kept in a prison. Similarly an Eskimo is a person who lives in an igloo, a type of dwelling made of ice.

12. (d), Logic follow here: Number of letters in the word  $\times 6 =$  Code.

Now,

WATER has 5 letters,

$$\Rightarrow 5 \times 6 = 30.$$

And

ORANGE has 6 letters,

$$\Rightarrow 6 \times 6 = 36.$$

Similarly,

EIGHT has 5 letters,

$$\Rightarrow 5 \times 6 = 30.$$

Hence, the correct answer is option (d).

13. (a), Just as

B L O O D  
↓ ↓ ↓ ↓ ↓  
+1 +2 +3 +4 +5  
C N R S I

And  
 V E I N S  
 ↓ +1 ↓ +2 ↓ +3 ↓ +4 ↓ +5  
 W G L R X

Similarly  
 H E A R T  
 ↓ +1 ↓ +2 ↓ +3 ↓ +4 ↓ +5  
 I G D V Y

So, HEART will be coded as IGDVY.

14. (c), Just as

L I N K  
 ↓ -2 ↓ -2  
 J G K N

And  
 T H A T  
 ↓ -2 ↓ -2  
 R F T A

Similarly

T R O W  
 ↓ -2 ↓ -2  
 E P W O

So, TROW will be coded as EPWO.

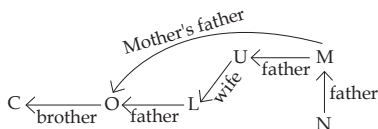
15. (c), The logic followed here is,

$\boxed{L} A \boxed{S T} \rightarrow \boxed{5 4} 8 \boxed{9}$   
 $\boxed{S} I \boxed{L T} \rightarrow \boxed{9 4} 6 \boxed{5}$

'T' → '6'.

Hence, I will be codeed as "6".

16. (c), According to question



So, O is M's mother's father.

17. (a), According to question

$$88 - 7 \div 65 \times 13 + 34 = ?$$

if '+' and '-' and '×' and '÷' are interchanged, then:

$$\Rightarrow 88 + 7 \times 65 \div 13 - 34 = ?$$

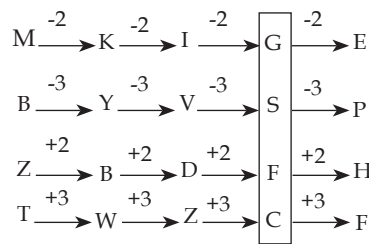
$$\Rightarrow 88 + 7 \times 5 - 34 = ?$$

$$\Rightarrow 88 + 35 - 34 = ?$$

$$\Rightarrow 123 - 34 = 89.$$

Hence, the correct answer is "89".

18. (c), According to question



So, GSFC is correct answer.

19. (b), Just as

$$64 : 16$$

$$\Rightarrow 1^{\text{st}} \text{ number} \div 4 = 2^{\text{nd}} \text{ number.}$$

$$\Rightarrow 64 \div 4 = 16.$$

And

$$100 : 25$$

$$\Rightarrow 1^{\text{st}} \text{ number} \div 4 = 2^{\text{nd}} \text{ number.}$$

$$\Rightarrow 100 \div 4 = 25.$$

Similarly,

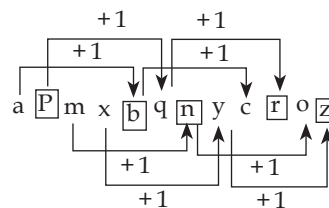
$$144 : ?$$

$$\Rightarrow 1^{\text{st}} \text{ number} \div 4 = 2^{\text{nd}} \text{ number.}$$

$$\Rightarrow 144 \div 4 = 36.$$

Hence, the correct answer is "Option (b)".

20. (b), As per given information



So, correct answer is pbnrz.

21. (a), The correct Dictionary order is:

2. Exotic 5. Expanse

4. Expense 1. Expert

3. Explicit

So, the correct order are '2, 5, 4, 1, 3'.

22. (d), As per given information

B  $\boxed{O R E} \rightarrow \boxed{7 5 1} 3$

$\boxed{R O} \boxed{T E} \rightarrow \boxed{1 4} \boxed{5 7}$

T → 4

So, T will be coded as 4.

23. (b), The correct Dictionary order is:

3. Neglect 6. Nephew

1. Neural 5. Neutron

4. Newfound 2. Newspaper

So, the correct order are '3, 6, 1, 5, 4, 2'.

24. (b), Statements

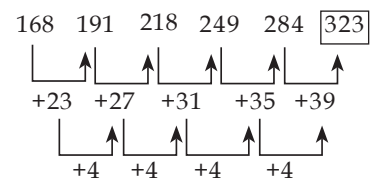


Conclusions



As per given venn diagram only conclusion I is correct.

25. (b), According to question



Hence, the correct answer is "323".

## General Awareness

- (c), During a National Emergency, the term of Lok Sabha can be extended by Parliament for **one year at a time**.
- ❖ **Article 352** of the Indian Constitution allows the President to declare a National Emergency in case of war, external aggression, or armed rebellion.
- (c), The term "**bull's eye**" is primarily used in **shooting sports** like archery and target practice.
- ❖ It refers to the exact center of a target, which is the area that scores the highest number of points when hit.
- (d), Kalidasa was a famous poet in the court of **Chandragupta II** (Vikramaditya).
- ❖ He was one of the "**Navaratnas**" (Nine Gems) of the Gupta king's court.
- ❖ Chandragupta II was a prominent ruler of the Gupta Empire during the **Golden Age of India**.
- (a), The uterus, iris of the eye, and bronchi all contain **smooth muscle tissue**. These are involuntary, non-striated muscles found in various internal organs and tracts.
- ❖ The uterine wall contains a thick layer of smooth muscle called the **myometrium**, which is responsible for **contractions during childbirth**.