

**ROY'S INSTITUTE OF COMPETITIVE EXAMINATION**

**RRB NTPC GRADUATE & UNDER GRADUATE CBT-1**

**/GENERAL INTELLIGENCE/**

**HANDOUT - 2**

1. Choose the number from among the given options that can replace the question mark (?) in the following series.  
37, 55, 66, 84, 95, 113, ?  
a) 166      b) 145      c) 131      d) 124

2. In a certain code language, 'GIVE' is coded as '4628' and 'VOLT' is coded as '3567'. What is the code for 'V' in the given code language?  
a) 2      b) 5      c) 6      d) 3

3. Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?  
#: FLN :: TXB: %  
a) # = BPJ, % = XTF      b) # = LFT, % = BPJ      c) # = XTF, % = PBX      d) # = PBX, % = XTF

4. Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)  
a) HK - LP      b) KL - FG      c) XY - ST      d) OP - JK

5. If 'S' stands for '-', 'Q' stands for '×', 'R' stands for '÷', and 'P' stands for '+', what will come in place of the question mark (?) in the following equation?  
1 P 4 5 R 2 Q 2 S 4 = ?  
a) 40      b) 42      c) 46      d) 36

6. P, Q, R, S, T, U and V are sitting around a circular table facing the centre. Only one person sits between R and T when counted from the left of T. Q sits third to the right of P. U sits third to the left of V. Q sits to the immediate right of U. S is not an immediate neighbour of U. How many people sit between S and T when counted from the right of S?  
a) 4      b) 2      c) 3      d) 1

7. If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 6154932, how many digits will appear more than once in the new number thus formed?  
a) Three      b) Four      c) Two      d) One

8. Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?  
#: LPR :: PSV: %  
a) #HNT, % = TUT      b) # = HMR, % = TVW      c) # = FNR, % = RVM      d) # = FMP, % = RUY

9. Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

# : AND :: RWX : %

- a) # = UTZ, % = OZV      b) # = OZV, % = LCT      c) # = XQB, % = UTZ      d) # = LCT, % = XQB

10. Choose the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

EL-GN-IK

GN-IP-KM

- a) JP-KR-MQ      b) IP-KR-MQ      c) IP-KR-MO      d) JP-KS-MQ

11. This question is based on the words given below.

(Left) ACT BUS CAR DAD (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding in the English alphabetical order. In how many letter clusters thus formed, will no vowel appear?

- a) One      b) Two      c) None      d) Three
12. Uday starts from Point A and drives 3 km towards south. He then takes a right turn, drives 2 km, turns left and drives 5 km. He then takes a right turn and drives 3 km. He takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again (all turns are  $90^\circ$  turns only unless specified)?

- a) 3 km; East      b) 5 km; West      c) 4 km; East      d) 5 km; East

13. What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and ' $\times$ ' and ' $\div$ ' are interchanged?

$$63 \div 12 - 98 \times 7 + 35 = ?$$

- a) 742      b) 735      c) 745      d) 736

14. Each of the digits in the number 7416385 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that/those in the original number?

- a) None      b) Three      c) Two      d) One

15. 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 conclusion(s) logically follow(s) from the statements.

#### **Statements:**

All tanks are figs.

No eagles are tanks.

Some mugs are eagles.

#### **Conclusions:**

I. Some figs are not eagles.

II. Some mugs are not tanks.

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



## Question:

Six friends, B, C, D, E, F and G, are sitting in a straight line, facing north. Who among them is sitting at the extreme right end?

### **Statements:**

- I. There are exactly four people sitting between B and E. G sits to the immediate right of E.

- II.** F is an immediate neighbour of C. Exactly two people sit between B and C.

- a) Data in statements I and II together are sufficient to answer the question.

- b) Data in statement I alone is sufficient to answer the question, while data in statement II is not.

- c) Data in statements I and II together are not sufficient to answer the question.

- d) Data in statement II alone is sufficient to answer the question, while data in statement I is not.

- Refer to the following letter, number, symbol series and answer the question. Counting to be done.

- (Left) \$ T 1 \& 9 Z 7 \*^A 0 # K @ N Z (Right)

How many such numbers are there which are

How many such numbers are there which are immediately preceded by a symbol and also immediately followed by a letter?



27. In this question, a statement is given followed by two courses of action, numbered I and II. You must assume everything in the statement to be true, and on the basis of the information given in the statement, decide which of the given courses of action logically follow(s) for pursuing.

## **Statement:**

Many students in rural schools fail to clear the basic reading and writing tests due to lack of trained teachers and poor infrastructure.

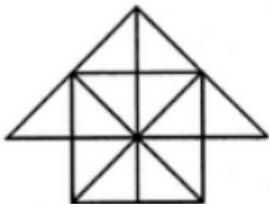
## **Courses of Action:**

- I.** Immediate recruitment and training of teachers should be carried out in rural areas.

- II.** All students failing the tests should be expelled from schools to maintain quality.

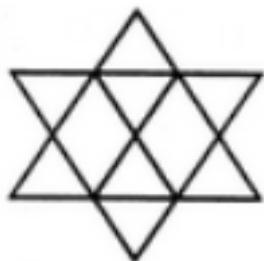
- a) Neither I nor II follows      b) Only II follows      c) Both I and II follow      d) Only I follows

28. Count the number of triangles and squares in the given figure.



- a) 26 triangles, 5 squares                          b) 28 triangles, 5 squares  
c) 26 triangles, 6 squares                          d) 28 triangles, 6 squares

29. Count the number of parallelograms in the given figure.



- a) 8      b) 11      c) 12      d) 15

**Directions (Q. 30 –31) :** A statement is given followed by two assumptions. Consider the statements and decide which of the given assumptions is implicit.

30. **Statement:** "If you want to give any advertisement, give it in the newspaper "M" - Ram tells Sham.

**Assumptions:**

I. Sham wants to publicize his products.

II. Newspaper M has a wide circulation.

- |   |  |
|---|--|
| a) Only assumption I is implicit          | b) Only assumption II is implicit      |
| c) Both assumptions I and II are implicit | d) None of the assumptions is implicit |

31. **Statement:** Nowadays harassment of women in public is increasing day by day.

**Assumptions:**

I. Easy access to media such as the internet results in the corruption of the minds of the youth.

II. Moral education is not properly imparted in the school and college levels.

- |  |                                   |
|--|-----------------------------------|
| a) Neither assumption I nor II is implicit | b) Only assumption II is implicit |
| c) Both assumptions I and II are implicit  | d) Only assumption I is implicit  |

32. Following question consists of a statement and 2 contradictory arguments. Decide which of the arguments is strong.

**Statements:** Are Western films unsuitable for Indian audiences?

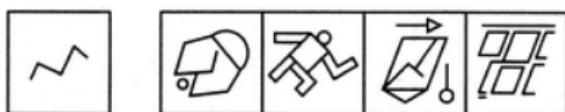
**Arguments:**

I. Yes, they portray a culture which is starkly different from ours and have a negative impact on our cultural values.

II. No, because they improve our knowledge of different cultures and societies.

- |                               |                              |
|-------------------------------|------------------------------|
| a) Neither I nor II is strong | b) Either I or II is strong  |
| c) Only argument II is strong | d) Only argument I is strong |

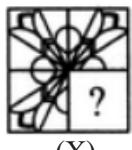
33. Find out the alternative figure which contains figure (X) as its part.



- (X)      (1)      (2)      (3)      (4)

- a) 1      b) 2      c) 3      d) 4

34. Identify the figure that completes the pattern.



(X)



(1)



(2)



(3)



(4)

a) 1

b) 2

c) 3

d) 4

35. In a row of 50 persons Bhadri is 13th from left end and Sarayu is 20th from right end. If Nanda is exactly in between Bhadri and Sarayu then find the number of people between Bhadri and Nanda?

a) 7

b) 8

c) 9

d) 12

36. Soumya is 17th from the left end and 13th to the right of Kiran who is 37th from the right end. If all of them are facing North. Find out the total number of persons in the row.

a) 41

b) 40

c) 44

d) 43

37. There are seven persons A, B, C, D, E, F, and G. Each of them has different heights. C is shorter than only G. The number of persons taller than B is equal to the number of persons shorter than D. Neither A nor E is shortest. Who among the following is shortest?

a) G

b) D

c) B

d) F

38. Choose the pair of letter clusters from among the given options that has the same relationship as the one given below.  
BQZH : OGXI :: ?

a) SQMN : UTWZ

b) WHLK : RTID

c) FLXR : YESM

d) PNML : STWW

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

15 : 256 : 16 : 289 :: 18 : ?

a) 336

b) 342

c) 441

d) 361

40. Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

a) RU-QT

b) HK-GJ

c) ZC-XD

d) JM-IL