

**TCS NQT**  
**(Reasoning Ability)**  
**Previous Year Paper**

1. Five friends A, B, C, D, and E are sitting in a line facing North. Who is sitting exactly in the middle?

1. C is sitting between A and B. E is at the fourth Place to the left of B.  
2. E is sitting to the immediate left of D. C is to the immediate left of B.

- A. if the question can be answered by using the first statement alone.  
B. if the question can be answered by using a second statement alone.  
C. if the question can be answered by using both statements together.  
D. if the question cannot be answered even by using both statements together

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

TONY, WTGP, ZYZG, ?, FILO

- A. CESY  
B. CDSX  
C. CDSY  
D. CESX

3. Consider the following arrangement that has some missing letters:

a b \_ b b \_ a b a \_ b a \_ b a \_ a

Which one set of letters when subsequently placed at the gaps in the above letter series shall complete it?

- A. aabab  
B. bbabb  
C. abbab  
D. aaaab

4. Five teachers P, Q, R, S, and T teach a group of students in a sequence between 9:00 am to 2:00 pm. Each teacher teaches for one hour. Q takes the first class. S teaches just after the T. R teaches before P and T. Who takes the second class from 10:00 am to 11:00 am?

- A. P  
B. T  
C. S  
D. R

5. 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. No apple is a banana.
2. No banana is a mango.

**Conclusions:**

- I. Some apples are mangoes.
- II. Some mangoes can be bananas.
- III. No mango is an apple.

- A. Only II follows
- B. Only I follows
- C. Both I and II follows
- D. Either I or III follow.

6. 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:**

- Some insects are animals.  
Some animals are frogs.  
All frogs are cats.

**Conclusions:**

- I. Some cats are frogs.
- II. Some frogs are animals.
- III. Some animals are insects.

- A. All conclusions follow
- B. Only conclusions I and III follow
- C. conclusions I and II follow
- D. conclusions II and III follow

7. You are given a question and two statements. Identify which of the statements is/are sufficient to answer the question.

**Question:**

**When is Yuvi's wedding anniversary?**

**Statements:**

- 1: On the 7th day of a month.
- 2 : The month has 29 days only in a leap year.

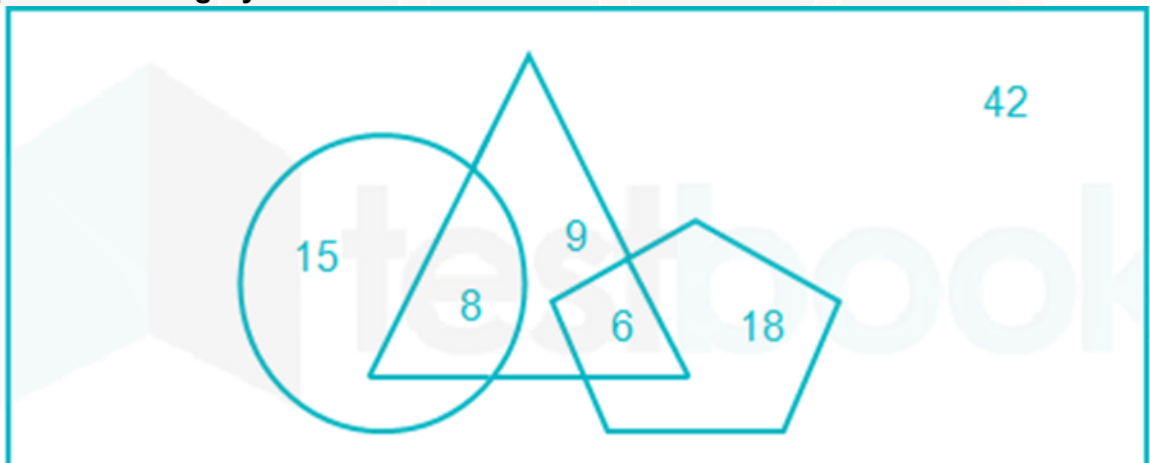
- A. Only statement 1 is sufficient but statement 2 is not sufficient.
- B. Both statement 1 and statement 2 are sufficient independently.
- C. Only statement 2 is sufficient but statement 1 is not sufficient.
- D. Both statement 1 and statement 2 are sufficient together.

8. In each of the 5 pairs of the letter clusters the letter in the second term is arranged / transformed form of the letters in the first term in a particular pattern. Which two pairs have the transformation in the same way.

A. MASON : AMNOS  
B. PARTY : APRYT  
C. FAULT : AFTLU  
D. LODGE : DOLEG  
E. CARGO : ACOGS

A. A and C  
B. C and D  
C. B and C  
D. D and E

9. In the given Venn diagram, the 'rectangle' represents 'persons in a cool bar', the 'circle' represents 'like to apple juice', the 'triangle' represents 'like to orange juice', and the 'pentagon' represents 'like to pineapple juice'. The numbers given in the diagram represent the number of persons in that particular category.



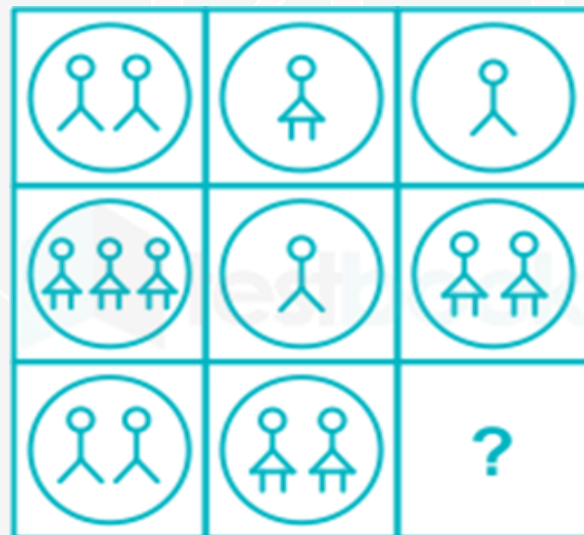
How many persons of the cool bar neither like apple juice nor like orange juice?

A. 52  
B. 60  
C. 64  
D. 48

10. A + B' means 'A is the husband of B'.  
 'A % B' means 'A is the father of B'.  
 'A \$ B' means 'A is the mother of B'.  
 If 'Y + Z \$ H % C \$ D + S', then which of the following statements is INCORRECT?

- A. C is the mother-in-law of S.
- B. Z is the maternal grandmother of C.
- C. H is the son of Y.
- D. H is the maternal grandfather of D.

11.



- A.
- B.
- C.
- D.

12. How many Rs. Would Shalini need to spend to buy 11 pencils and 14 pens.

1. Shalini spent an amount of Rs. 201 to buy 15 pencils and 12 pens.
2. Shalini spent an amount of Rs. 121 to buy 7 pencils and 9 pens.

- A. if the question can be answered by using one of the statements.
- B. if the question can be answered by using either statement alone.
- C. if the question can be answered by using both statements together.
- D. if the question cannot be answered even by using both statements together

13.  $A = B$  means B is the father of A;  $A * B$  means A is the sister of B;  $A ? B$  means B is the mother of A;  $A \$ B$  means A is the brother of B;  $A @ B$  means B is the son of A; and  $A \times B$  means A is the daughter of B. Then which of the following is not correct?

- A.  $E \$ F * G$  means G is the sister of E
- B.  $P \times R ? Q$  means P is the granddaughter of Q
- C.  $G * H @ I = J$  means J and H are the husband and wife
- D.  $X = Y ? Z$  means Z is the grandmother of X

14. Who is the youngest in the group?

Statements:

In a group of four people:

- I. Amit is older than Mahesh and younger than Tanuja.
- II. Rahim is younger than Mahesh.

- A. Both the Statements, 1 and 2 are necessary.
- B. Either statement I alone or statement II alone is sufficient.
- C. Statement I alone is sufficient.
- D. Statement II alone is sufficient.

15. Read the information given below carefully and answer the given questions.

For the recruitment process in an accounting organization, the following eligibility criteria are required for the candidates:

- i) Graduation in Commerce with minimum 60% marks.
- ii) At least 24 years and not more than 40 years of age as of 1-7-2016.
- iii) Candidates should have at least 2 years of work experience after education.
- iv) They should have secured 55% marks in the selection process.

However, if the candidate fulfills the above criteria, except:

(A) In case of (i), if the candidate is not a graduate in commerce but has a master's degree in finance with 60% marks, he/she should approach the Institute of Finance Management.

(B) In case of (iii), if the candidate fulfills the eligibility criteria of at least 2 years work experience after education, not only that he has secured 75% marks in the selection process, he/she may be referred for Trainee Accountant.

Based on the above information decide whether the following candidates are eligible in the selection process, and select the appropriate option. You do not

have to think about anything other than the information given in the question.  
All the cases given to you are dated 1-7-2016.  
Anurag Kumar has 6 years of work experience after education. His birthday is 05-4-1992. He has scored 62% marks in the selection process. He has done his graduation in commerce and has scored 76% marks.

- A. May be referred for Finance Manager
- B. Should be selected
- C. Should not be selected
- D. May be referred for Trainee Accountant

16. If  $24\ N\ 16\ A\ 4 = 12$  and  $14\ A\ 18\ N\ 12 = 20$ , then  $48\ N\ 16\ A\ 15 = ?$

- A. 47
- B. 59
- C. 43
- D. 51

17. Rajpal is going to buy a laptop, following are the criteria of selection of the laptop given by his father.

- a. Must be for less than 38000 INR.
- b. Must have RAM equal to or more than 8 GB.
- c. Must have Intel processor of version i3 or above.
- d. If any laptop is satisfying all the above criteria except (a), It will need his dad's permission if it for less than 45K.
- e. If any laptop is satisfying all the above criteria except (b), It will need his mom's permission if it has storage of more than 512 GB.

ATC58 is a new laptop in the market costing Rs. 36000 and having 16 GB RAM. It consists of the processor Pentium 8 and pre-installed Windows 10. Which of the following options is CORRECT for the laptop given above.

- A. He will buy the laptop.
- B. He needs mom's permission to buy it.
- C. He will not buy the laptop.
- D. He needs dad's permission to buy it.

18. Six girls F, G, H, J, K and L are sitting in a row facing north (not necessarily in the same order). L and K are sitting at extreme ends. Only G is between F and K. J is to the immediate left of H. G is to the immediate right of F. What is the position of F from the left end?

- A. Fourth
- B. Second
- C. Third
- D. Fifth

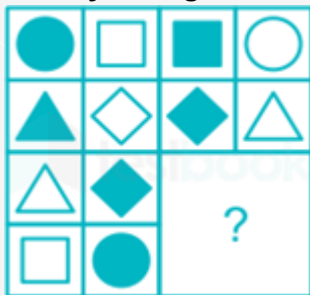
19. In a class, there are five students A, B, C, D, E who sit on a bench.
- i) B and D are close friends and they always sit together but not at the end sides of the bench
  - ii) E and C sit as far as possible
  - iii) A is a friend of C and sits to the immediate right of C, and also to the immediate left of B
- The two end sides of the bench are occupied by

- A. E, C
- B. B, D
- C. E, A
- D. C, D

20. In the following question, select the related letter/letters from the given alternatives. OPCM : NXKL :: ? : QPJM.

- A. NQKJ
- B. NQLJ
- C. NQOJ
- D. NQJK

21. Identify the figure that completes the pattern.



A.



B.



C.



D.



**22. Standing on a platform, Amit told Sunita that Aligarh was more than ten kilometres but less than fourteen kilometres from there. Sunita knew that it was more than twelve but less than fifteen kilometres from there. If both of them were correct, which of the following could be the distance of Aligarh from the platform?**

- A. 11 km
- B. 12 km
- C. 13 km
- D. 14 km

**23. In a psychology test of 6 students- P, Q, R, A, B, and C, the teacher found following information regarding the intelligence level of students.**

**P is more intelligent than A.**

**R is less intelligent than C.**

**P is more intelligent than Y.**

**Q is as much intelligent as B.**

**If B and C are not the most intelligent student, then who will be the most intelligent student?**

- A. A
- B. Q
- C. R
- D. P

**24. Five friends A, B, C, D, and E are placed in order of their heights.**

**B is taller than C and E.**

**C is taller than D and B is not the tallest.**

**Regarding the given arrangement, which of the following is incorrect?**

- A. A is taller than D
- B. C is taller than D
- C. B is taller than D
- D. E is taller than C

**25. Direction: Answer the question based on the following information.**

**Six people (A, B, C, D, E and F) read a novel but have only one copy of the book. Therefore, one person can read the novel at a time. A careful look at the method of reading his novel reveals the following:**

**Two individuals have read the novel before E C gives the novel to the last person**

**Before reading F, B and D have finished reading the novel There are three people between A and F who have read the book A does not get novel from D Who is the first person to read the novel?**

- A. D
- B. A
- C. B
- D. F



**26. Statement:**

**The next meeting of the Board of Directors of the company will be held after one year.**

**Assumptions:**

**The company will remain in function after one year.**

**The Board of Directors will be dissolved after one year. Which of the assumptions is implicit in the statement?**

- A. Only assumption I is implicit
- B. Only assumption II is implicit
- C. Either I or II is implicit
- D. Both I and II are implicit

**27. Direction: Study the following information carefully and answer the questions given below. Following are the alternative eligibility criteria for short-listing Candidates for interview for entry-level job in a bank.**

**The candidate should have passed SSC with at least 80% marks.**

**The candidate should have passed HSC with at least 75% marks.**

**The candidate should be an Arts/Science/Commerce graduate with at least 60% marks.**

**The candidate should be an engineer with at least 55% marks.**

**The candidate should be a post-graduate in any discipline with at least 50% marks.**

**Any candidate can be eligible under any one or more of the above criteria depending upon his/her academic pursuits. In each of the following questions details of one candidate are given. You have to find out under which of the above conditions the candidate is eligible and mark your answer accordingly based on the alternatives provided after each question.**

**Satish Menon has secured 85% marks in graduation in science. He has also secured 65% and 75% marks in HSC and post-graduation respectively. He is presently pursuing his second post-graduation degree.**

- A. Eligible under (ii), (iv) and (v) only
- B. Eligible under (iii) and (v) only
- C. Eligible under (ii), (iii), (iv) only.
- D. Eligible under (iv) and (v) only

**28. Kartik Dare has secured 75% marks in SSC. He completed his B.Com with 65% marks after completing his Higher Secondary in Commerce. He has now enrolled in the Master's Degree of Commerce.**

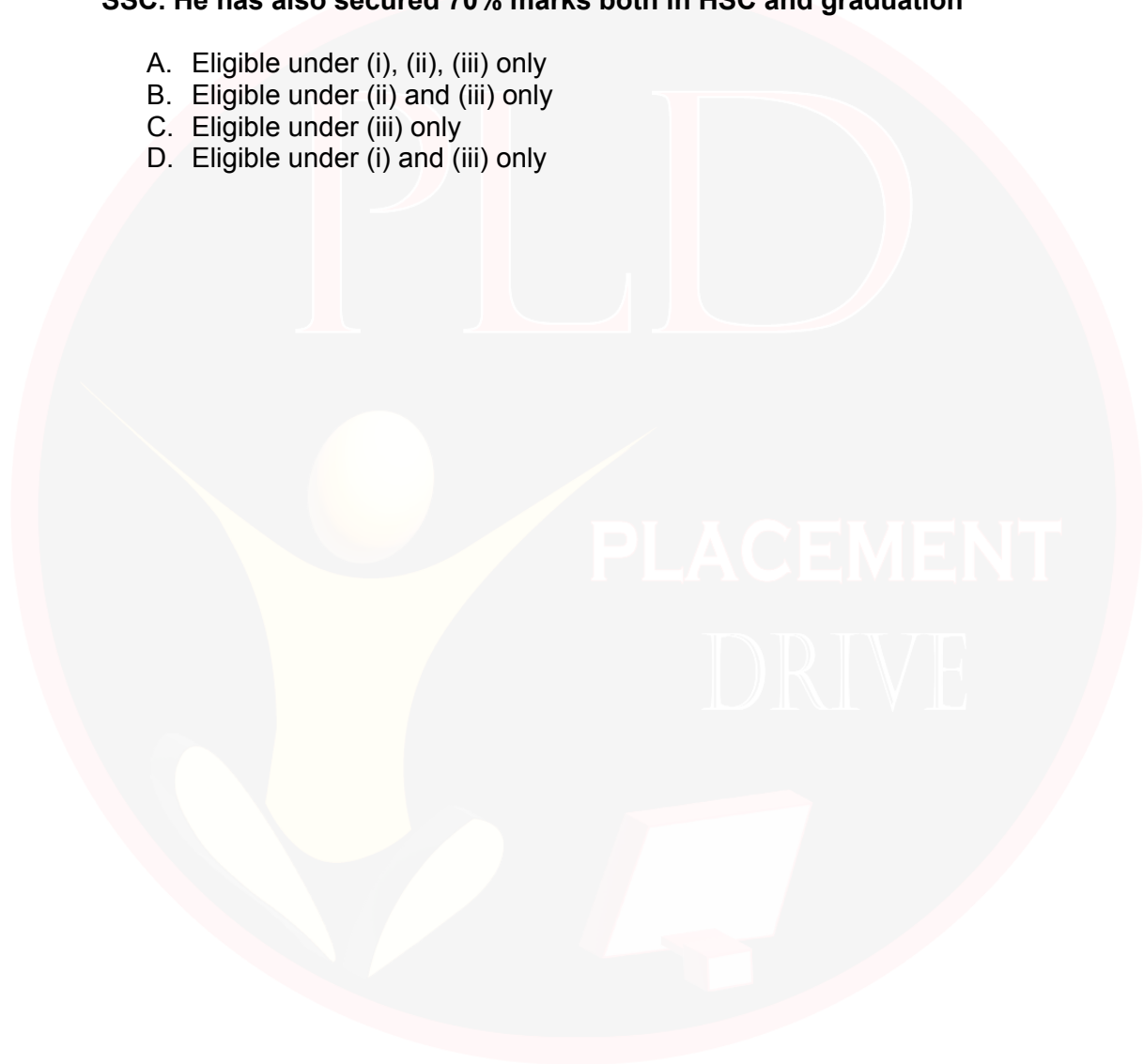
- A. Eligible under (i) only
- B. Eligible under (ii) only
- C. Eligible under (iii) only
- D. Eligible under (i) and (iii) only

**29. MadanGir is a mechanical engineer. He has secured 60% marks in his final degree examination. He has secured 65% marks in HSC. He has secured 55% marks in his post-graduation in mechanical engineering.**

- A. Eligible under (i), (iv),(v) only
- B. Eligible under (ii), (iv), (v) only
- C. Eligible under (iii), (iv), (v) only
- D. Eligible under (iv) and (v) only

**30. Nikhil Grover is a post graduate in Physics. He has secured 80% marks in SSC. He has also secured 70% marks both in HSC and graduation**

- A. Eligible under (i), (ii), (iii) only
- B. Eligible under (ii) and (iii) only
- C. Eligible under (iii) only
- D. Eligible under (i) and (iii) only



## ANSWERS

1. Answer: A
2. Answer: B
3. Answer: A
4. Answer: A
5. Answer: D
6. Answer: A
7. Answer: D
8. Answer: A
9. Answer: B
10. Answer: B
11. Answer: C
12. Answer: C
13. Answer: A
14. Answer: A
15. Answer: B
16. Answer: A
17. Answer: C
18. Answer: A
19. Answer: A
20. Answer: A
21. Answer: A
22. Answer: C
23. Answer: D
24. Answer: D
25. Answer: C
26. Answer: A
27. Answer: B
28. Answer: C
29. Answer: D
30. Answer: D