

Diagnostic cum Scholarship Tests

SAMPLE PAPER

For Students of Class VII

Paper 1 - IQ

Duration : 70 minutes

Paper Code: 67-1

Maximum Marks : 72

Please read the instructions and guidelines carefully :

Important Note : Please ensure to accurately input the details for the Question Paper Code as indicated at the top of this sheet (Side 2) into the corresponding columns / fields on the OMR sheet before proceeding with the paper. Incorrectly filled information regarding the class or paper may result in inaccurate outcomes or results.

"This paper has been scientifically designed to evaluate your potential – manifested and hidden for the target examinations mentioned in various sections of the paper. Thus, your adherence to the instructions is critical in the evaluation of the same"

1. This Question paper consists of 2 sections.
2. Student should devote allotted time for each section. If a section is easy, then it is easy for everyone & was meant to be like that with a goal in mind. Do not switch over to another section if you find the section to be easy. If a section is tough, then it is tough for everyone. Please note that each section has been allocated a time limit of 35 minutes. Dedicating the full 35 minutes to finish each section successfully is essential. Opening the next section before completing the allotted time for the preceding section is not permitted. This adherence is crucial for assessing your true potential, as each section is meticulously crafted to evaluate your potential for the corresponding competitive examinations.
3. Candidate should open the seal of Section-II only after completing 35 minutes of Section-I.
4. Sheets will be given to each candidate for rough work. Candidate must fill all details on the rough sheet and submit the same to invigilator along with OMR sheet. Candidate must mention the Question No. while doing the rough work in the sheet.
5. Please note candidates are not allowed to bring any prohibited items into the exam hall such as electronic devices, mobile phones, smart watch, earphones, calculators, books, notes, formula sheets, and bags.
6. Marking scheme is given in table below:

| Section | Subject | Question no. | Marking Scheme for each question | |
|-----------------------------------------------------------------|---------|--------------|----------------------------------|--------------|
| | | | Correct answer | Wrong answer |
| SECTION – I (NTSE) Time Allotted: 35 Minutes | IQ | 1 to 12 | +3 | 0 |
| SECTION – II (Olympiad & JEE Main) Time Allotted: 35 Minutes | IQ | 13 to 24 | +3 | 0 |

Section - I

Time: 35 Minutes

IQ

This section contains **3 Multiple Choice Questions** number **1 to 3**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

Directions (Q.1 to Q.2): In each of the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative.

1. __ aba __ ba _ ab
(A) abba (B) abbab
(C) baabb (D) bbaba
2. ab __ baa __ ab _
(A) aaaaa (B) aabaa
(C) aabab (D) baabb

Direction (Q.3): In the following question, one term in the number series is wrong. Find out the wrong terms.

3. 196, 169, 144, 121, 101
(A) 101 (B) 121
(C) 169 (D) 196

This section contains **THREE (03) comprehensions**. Based on each comprehension, there are **THREE (03) questions of Multiple Choice Questions**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

Comprehension-1 for Q. No. 4 to 6

There are 5 friends A, B, C, D and E standing randomly. B is to the northeast of E. D is 2 km to the east of E, who is 6 km to the west of A. C is to the northwest of D and in the line of EB. D is 4 km the south of B.

4. In which direction is C with respect to A ?
(A) South west (B) South east
(C) North east (D) North west
5. In which direction is A with respect to B ?
(A) South east (B) South west
(C) North west (D) North east
6. What is the shortest distance between B and E?
(A) $2\sqrt{7}$ km (B) $5\sqrt{2}$ km
(C) $7\sqrt{2}$ km (D) $2\sqrt{5}$ km

Comprehension-2 for Q. No. 7 to 9

1. A, B, C, D, E and F are six friends are sitting in a circle facing the center.
2. F is the 4th left of E
3. A is not between D and E but some other one.
4. C is next left of F.

7. Who is left of D?
(A) A (B) C
(C) B (D) F
8. Who is right of E?
(A) B (B) A
(C) C (D) F
9. Who is third right of C?
(A) B (B) D
(C) A (D) E

Comprehension-3 for Q. No. 10 to 12

Six family members A, B, C, D, E and F are of different ages and are having different professions i.e., Doctor, Engineer, Teacher, Chartered Accountant, Manager and Clerk.

- (i) E, who is elder than A and D is Engineer
 - (ii) The eldest among them is Doctor.
 - (iii) The youngest among them is Clerk.
 - (iv) B and D are neither Doctor near Clerk.
 - (v) C is a Clerk.
 - (vi) E is younger than B who is a manager.
 - (vii) A is elder than D.
10. Who amongst them is a Doctor?
(A) A (B) D
(C) F (D) B
11. Who among them is elder than C but younger than A?
(A) F (B) B
(C) A (D) D
12. Who will be at the fourth place if they are arranged in the ascending order of their ages?
(A) B (B) E
(C) A (D) F

Section – II

Time: 35 Minutes

IQ

This section contains 3 Multiple Choice Questions number 13 to 15. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE is correct.

13. Satish walks 8 km south, turns right and walks 6km and then turns to north-east and walks 10 km. How far is he from the starting point?
 (A) 8 km (B) 10 km
 (C) 12 km (D) At starting point
14. In a certain code, 15789 is written as XTZAL and 2346 is written as NPSU. How is 23549 written in that code ?
 (A) NPTUL (B) PNTSL
 (C) NPTSL (D) NBTSL
15. If white is called blue, blue is called red, red is called yellow, yellow is called green, green is called black, black is called violet and violet is called orange, what would be the colour of human blood?
 (A) Red (B) Green
 (C) Yellow (D) Violet

This section contains THREE (03) comprehensions. Based on each comprehension, there are THREE (03) questions of Multiple Choice Questions. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE is correct.

Comprehension-1 for Q. No. 16 to 18

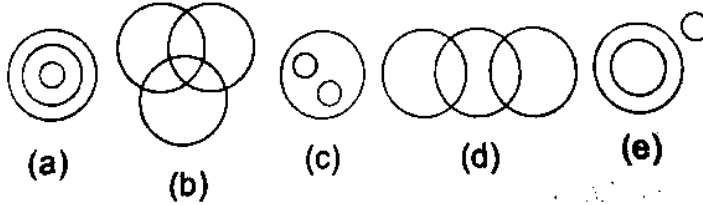
Read the following information carefully and answer the questions given below: Six members of a family A, B, C, D, E and F are Psychologist, manager, Advocate, Jeweller, Doctor and Engineer but not in the same order.

- (I) Doctor is the grandfather of F, who is a psychologist
 (II) Manager D is married to A
 (III) C, who is a jeweller, is married to advocate
 (IV) B is the mother of F and E
 (V) There are two married couples in the family

16. How A is related to E?
 (A) Father (B) Grandmother
 (C) Wife (D) Grandfather
17. What is the profession of A?
 (A) Manager (B) Engineer
 (C) Advocate (D) Doctor
18. Who are the two couples in the family?
 (A) AD and CB (B) AB and CD
 (C) AE and DE (D) AC and BD

Comprehension-2 for Q. No. 19 to 21

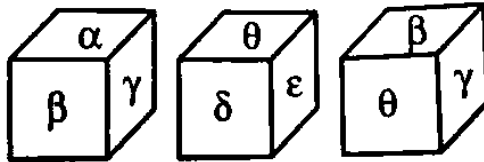
Of the four alternatives in each of the following questions, three alternatives are such that the three words in each are related among themselves in one of the five ways represented by (a), (b), (c), (d) and (e) below while none of these relationships is applicable to the remaining alternative. That is your answer. Choose that one



19. (A) Animal, Mammal, Cow (B) Colour, Cloth, Merchant
(C) Colour, Red, Blue (D) Male, Horse, Mare
20. (A) Bed, Ward, Hospital (B) Boy, Girl, Player
(C) Copper, Zinc, Iron (D) Book, Page, Paragraph
21. (A) Hen, Cat, Dog (B) Body, Ear, Mouth
(C) Bed, Nurse, Ward (D) Tiger, Animal, Carnivorous

Comprehension-3 for Q. No. 22 to 24

Given below are the different views of same dice. Find the answers on basis of the given diagrams.



22. Which symbol will be opposite to θ ?
(A) ϵ (B) α
(C) β (D) γ
23. Which symbol is at top when γ at bottom?
(A) α (B) β
(C) δ (D) ϵ
24. Which symbol is at bottom when β is at top?
(A) δ (B) θ
(C) ϵ (D) γ

FIITJEE

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For Students of Class VII

Paper 1 - IQ

Paper Code: 67-1

ANSWER KEY

- | | | | | | | | |
|-----|---|-----|---|-----|---|-----|---|
| 1. | B | 2. | B | 3. | A | 4. | D |
| 5. | A | 6. | D | 7. | A | 8. | C |
| 9. | B | 10. | C | 11. | D | 12. | B |
| 13. | D | 14. | C | 15. | C | 16. | D |
| 17. | D | 18. | A | 19. | B | 20. | C |
| 21. | A | 22. | B | 23. | C | 24. | C |