

DRONACHARYA

360° DIAGNOSTIC & SCHOLARSHIP EXAM

Sample Paper for Students presently in Class V

Paper 1 - IQ

Duration : 90 minutes

Maximum Marks : 90

Please read the instructions and guidelines carefully :

Important Note : Please ensure to accurately input the details for the Class and Paper No. as indicated at the top of this sheet 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 45 minutes. Dedicating the full 45 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 45 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: 45 Minutes	IQ	1 to 6	+3	0
		7 to 15	+3	0
SECTION – II (NSEJS) Time Allotted: 45 Minutes	IQ	16 to 21	+3	0
		22 to 30	+3	0

Section - I

Time: 45 Minutes

IQ

This section contains 6 Multiple Choice Questions number 1 to 6. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

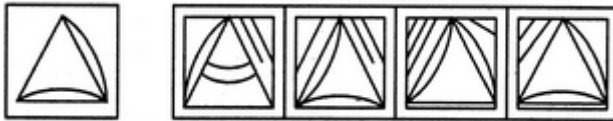
In each of the following questions, you are given a figure (X) followed by four alternative figures (1), (2), (3) and (4) such that figure (X) is embedded in one of them. Trace out the alternative figure which contains fig. (X) as its part.

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



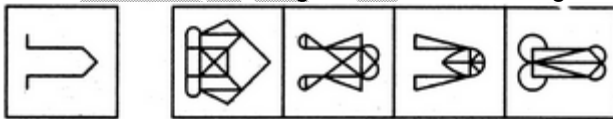
- (X) (1) (2) (3) (4)
(A) 1 (B) 2
(C) 3 (D) 4

2. 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

3. 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

4. If orange is called butter, butter is called soap, soap is called ink, ink is called honey and honey is called orange, which of the following is used for washing clothes ?

- (A) Honey (B) Butter
(C) Orange (D) Ink

5. Pravin walked 30 metres towards East, took a right turn and walked 20 metres, again took a right turn and walked 30 metres. How far was he from the starting point?

- (A) 30 metres (B) 80 metres
(C) 50 metres (D) 20 metres

Direction (Q6):

Read the following information and answer the question given below it :-

- (1) $A \times B$ means 'A is mother of B'. (2) $A + B$ means 'A is sister of B'.
(3) $A - B$ means 'A is father of B'. (4) $A \div B$ means 'A is brother of B'.

6. In the expression, $M - D + K$. How is D related to M ?
(A) Mother (B) Sister
(C) Daughter (D) Son

*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. 7 to 9

- I. A, B, C, D, E, F and G are sitting on a wall and all of them are facing east
II. C is on the immediate right of D
III. B is at an extreme end and has E as his neighbour
IV. G is between E and F
V. D is sitting third from the south end

7. Who is sitting to the Right of E ?
(A) A (B) C
(C) D (D) G
8. Which of the following pairs of people are sitting at the extreme ends ?
(A) AB (B) CB
(C) FB (D) AE
9. Name the person who should change places with C such that C gets the third place from the north end
(A) G (B) E
(C) D (D) A

Comprehension-2 for Q. No. 10 to 12

In a certain code 'always create new ideas' is written as 'ba ri sh gi', 'idea and new thoughts' is written as 'fa gi ma ri', 'create thoughts and insights' is written as 'ma jo ba fa', 'new and better solution' is written as 'ki ri to fa'.

10. What is code for 'ideas' ?
(A) sha (B) gi
(C) ba (D) ma
11. What does 'fa' stand for?
(A) thoughts (B) insights
(C) new (D) and
12. What is code for new
(A) sha (B) gi
(C) ri (D) ba

Comprehension–3 for Q. No. 13 to 15

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

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

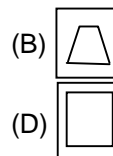
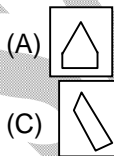
Section – II

Time: 45 Minutes

IQ

This section contains 6 Multiple Choice Questions number 16 to 21. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE is correct.

16. Find the embedded figure from the following figure



17. $72 \times 19 = 23$, $13 \times 48 = 35$ and $16 \times 43 = 18$.
Then the value of $(39 \times 22) = ?$
(A) 31
(B) 51
(C) 21
(D) 27

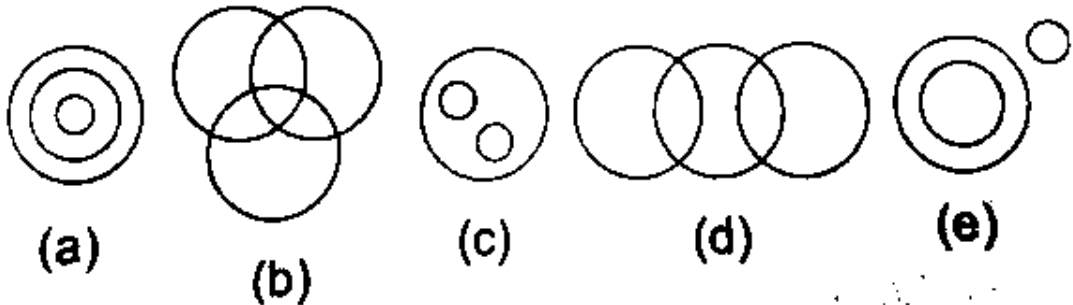
Directions (Q18 – Q20): In each of the following questions a number is missing. Find this missing number from the following alternatives.

18. 512, 49, 216, 25, ?
 (A) 8 (B) 27
 (C) 64 (D) 36
19. 15, 24, 42, 69, ?, 150
 (A) 114 (B) 105
 (C) 100 (D) 140
20. 3, 7, 16, 32, ?, 93
 (A) 53 (B) 57
 (C) 54 (D) 60
21. 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

*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. 22 to 24

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



22. (A) Star, Moon, Mars (B) Professor, Scholar, Politician
 (C) Nurse, Doctor, Woman (D) Swimmer, Carpenter, Singer
23. (A) Director, Engineer, Musician (B) Apple, Orange, Mango
 (C) Fruit, Mango, Grass (D) Oxygen, Air, Water
24. (A) Army, General, Colonel (B) Boy, Student, Player
 (C) Painter, Scholar, Table (D) Man, Typist, Peon

Comprehension–2 for Q. No. 25 to 27

There are eight people P, Q, R, S, T, U, V and W sitting around a circular table facing the centre. P is sitting second to the left of R who is sitting fourth to the right of S. V and W are sitting adjacent to each other. Two persons are sitting between W and S. T is sitting fourth to the left of Q, who is sitting second to the left of U.

25. Who is sitting third to the right of V?
(A) S (B) U
(C) P (D) T
26. Which of the following is not correct?
(A) T and R are sitting next to each other (B) S and U are sitting next to each other
(C) R and W are sitting next to each other (D) U and Q are sitting next to each other
27. Who is sitting between V and R?
(A) Q (B) U
(C) W (D) P

Comprehension–3 for Q. No. 28 to 30

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 nor Clerk.
(v) C is a Clerk.
(vi) E is younger than B who is a manager.
(vii) A is elder than D.
28. Who amongst them is a Doctor?
(A) A (B) D
(C) F (D) B
29. Who among them is elder than C but younger than A?
(A) F (B) B
(C) A (D) D
30. 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

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Sample Paper
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Paper 1 - IQ

ANSWER KEY

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