

Sample Paper

for Students presently in Class X

Paper 1 - IQ

Duration : 60 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 30 minutes. Dedicating the full 30 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.
- Candidate should open the seal of Section-II only after completing 30 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		
Section	Subject	Question no.	Correct answer	Wrong answer	
SECTION - I	IQ -	1 to 9	+3	-1	
(JEE Main)		10 to 15	13	4	
Time Allotted: 30 Minutes		10 10 15	+3	-1	
SECTION - II	IQ -	16 to 24	+3	_1	
(JEE Advanced)		05.100			
Time Allotted: 30 Minutes		25 to 30	+3	_1	

Section - I

Time: 30 Minutes

IQ

This section contains **9 Multiple Choice Questions** number **1 to 9.** Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

1.	Choose the correct mirror image of the given fig	ure (X) from amongst the four alternatives.
	(A) 1	4) (B) 2
	(C) 3	(D) 4
2.	Choose the correct mirror image of the given fig	ure (X) from amongst the four alternatives.
	(A) 1 (1) (2) (3)	(4)
	(A) 1 (C) 3	(B) 2 (D) 4
3.	In a certain code, the word SYSTEM is code FLOWER?	ed as ZEXXHO then how do we code the word
	(A) MRTAHT	(B) LQSAGR
	(C) OQTZHS	(D) LQSZHT
4.	How many such pairs of letters are there in the between them in the word as in English Alphabe	word INSTRUCTION which have as many letterset?
	(A) One	(B) Two
	(C) Three	(D) Four
5.	A number series is given with one of the terms recontinue the same pattern and replace the questress, 11, 15, 23, 31, 39, ?	
	(A) 45 (C) 52	(B) 50 (D) 55
6.	If ROME is written as MORE, then DARE is writ	
	(A) RDAE (C) RAED	(B) RDEA (D) RADE
7.	If H = 8 and HAT = 29, then how BOX = ?	(D) 42
	(A) 46 (C) 42	(B) 43 (D) 41

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8.		turned right, then walked 2 km and turned right, ked 5 km. How many kilometres will she have to (B) 7 (D) 15
9.	Kailash walks 3 km to East and turn South an How far is he from the starting point?	nd walks 4 km. Again turns west and walks 3 km.
	(A) 7 km (C) 6 km	(B) 5 km (D) 6 km
THRE		s. Based on each comprehension, there are ions. Each question has 4 choices (A), (B), (C)
	Comprehension-1 for	r Q. No. 10 to 12
	Study the given information carefully to answer Among six people - A, B, C, D, E and F each three people are younger than C. F is younger to	of a different age. A is younger than only D. Only
10.	Who amongst the following is the youngest? (A) B (C) E	(B) A (D) C
11.	If E's age is 16 yrs, then which of the following (A) 19 yrs (C) 18 yrs	may be B's age? (B) 22 yrs (D) 12 yrs
12.	How many people are younger than E? (A) One (C) Three	(B) Two (D) Four
	Comprehension-2 for	r Q. No. 13 to 15
		around a circle facing the centre. P is second to d to the left of S. Q is not an immediate neighbour
13.	Who is third to the right of N? (A) Q (C) P	(B) T (D) M
14.	Who is/are sitting between P and S? (A) R (C) N	(B) R and N (D) T
15.	How many persons are sitting between Q and (A) Two (C) One	M on counting clockwise? (B) Three (D) Zero

Section – II

Time: 30 Minutes

This section contains 9 Multiple Choice Questions number 16 to 24. Each question has 4

choices	s (A), (B), (C) and (D), out of which ONLY ONE	is correct.
16.		assignment. A can type a page in 12 minutes, B in the task into three parts so that all three of them is the number of pages that B should type? (B) 176 (D) 168
17.	In a row of people, Manu is 7 th from bottom end 8 th from top end, then how many people are the (A) 25 (C) 24	of row. Shrey is 10 ranks above Manu. If Shrey is re in this row? (B) 26 (D) 23
18.	Rahul is taller than Richa but not shorter than M shorter than Raju. Amongst the students, who is (A) Mita (C) Mukesh	lita. Mita and Mukesh are of same height. Rahul is the second tallest? (B) Rahul (D) Cannot be determined
19.		nd 25 hours, respectively, while a third pipe C can es are opened in the beginning. After 6 hours pipe equired to fill the remaining tank completely? (B) 31/14 (D) None of these
20.	Select from the answer choices given against eathe question mark. 4 3 2 9 8 5 2 ? 35	ach question an appropriate number to replace
	(A) 5 (C) 6	(B) 11 (D) 8
21.	Select from the answer choices given against earthe question mark.	ach question an appropriate number to replace
	(A) 10 (C) 32	(B) 15 (D) 12

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22.		metre. Then I turn right again and walk 10 metre. Then ing right walk 20 metre. Then I turn right again and walk starting point? (B) North-West (D) West
23.		5 days get Rs. 1600. 3 Men and 7 women after doing n how many days 7 Men and 6 Women can do the work
	(A) 8 (C) 9	(B) 6 (D) 10
24.		15 minutes respectively. If first pipe is changed with a and with a pipe having half of second's radius. Now the
	(A) $2\frac{6}{7}$ minutes	(B) 4 minutes
	(C) 2 minutes	(D) $3\frac{1}{3}$ minutes
THR		nsions. Based on each comprehension, there are Questions. Each question has 4 choices (A), (B), (C)
	Comprehension-	-1 for Q. No. 25 to 27
	A, B, C, D and E are students in a colleg (i) A and B study both Physics and Chen (ii) C and D study both Chemistry and M (iii) D and A study both Electronics and (iv) E and B study both Mathematics and	nistry athematics Chemistry
25.	Which student studies the most number (A) E (C) B	of subjects? (B) D (D) A
26.	Common subject of A, D and C is (A) Chemistry (C) Physics	(B) Mathematics (D) Electronics
27.	The pair of students who study only two (A) A, D (C) C, E	subjects are (B) B, C (D) E, D
*		-2 for Q. No. 28 to 30
	orphanage. They are married to five wor (A) The person who is married to B is ne (B) The husband of C donates Rs 5 lakh (C) T donates Rs 6 lakh/year	nate a different amount of money every year to an men A, B, C, D and E not necessarily in the same order. either donates the maximum nor the minimum amount. /year.
	(E) P, who is not married to C donates R	akh/year more than R, who donates less than T. Is 4 lakh/year more than S. Is at least Rs 1 lakh/year. While Q donates Rs Y

lakh/year,

Where Y is a natural number.

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28.	Who donates Rs 5 lakh/year?	
	(A) C	

(A) S (C) P (B) R (D) T

29. Who is married to B?

(A) P (C) R (B) T (D) S

30. If P is not married to A, then whose husband donates the maximum amount of money?

(A) B (B) E (C) A (D) D



Sample Paper

for Students presently in Class X

Paper 1 - IQ

ANSWER KEY

1.	D	2.	С	3.	A	4.	D
5.	D	6.	D	7.	D	8.	В
9.	В	10.	A	11.	D	12.	В
13.	D	14.	С	15.	D	16.	В
17.	С	18.	D	19.	В	20.	D
21.	С	22.	Α	23.	Α	24.	Α
25.	С	26.	A	27.	С	28.	Α
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