

Syllabus for CRO is available at <https://www.crestolympiads.com/cro-syllabus>

Pattern and Marking Scheme

Class	Topic/Section	No. of Questions	Marks per Questions	Total Marks
1 st to 4 th	Logical Reasoning	25	1	25
	Achiever's Section	10	2	20
	Grand Total	35	-	45
5 th to 10 th	Logical Reasoning	40	1	40
	Achiever's Section	10	2	20
	Grand Total	50	-	60

1. If 'x' stands for '+', '÷' stands for '-', '-' stands for 'x', and '+' stands for '÷', then find the value of following equation:

$$54 \div 16 - 3 \times 6 + 2 = ?$$

- (a) 9 (b) 12
(c) 8 (d) 15

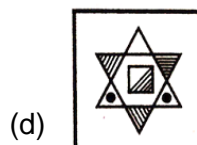
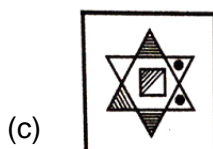
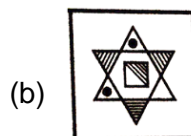
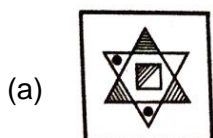
2. In the following question, one number is wrong in the series. Find out the number.

225, 289, 338, 374, 397, 415, 424

- (a) 415 (b) 289
(c) 338 (d) 397

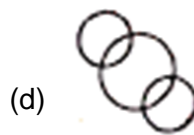
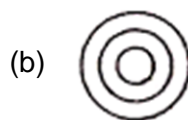
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3. From the given suitable options, find the water image of the object given in the question figure.



4. The question given below contains three items. These items may or may not have some relation with one another. Each group of the items may fit into one of the diagrams (a), (b), (c), (d) and have to indicate that the group of items in each of these questions correctly fits into which of the diagram.

Coal mines, Factory, Field

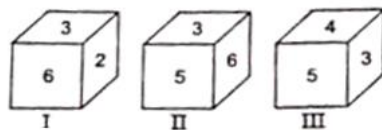


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5. Rohan is facing South. He turns 135° in the anti-clockwise direction and then 180° in the clockwise direction. Which direction is he facing now?

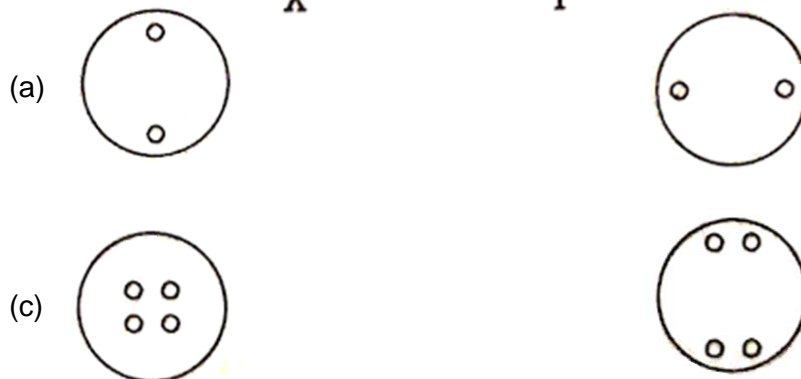
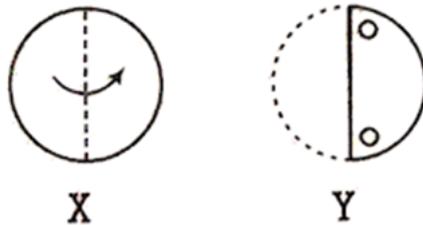
- (a) North
(b) South-West
(c) East
(d) North-West
-

6. Three positions of a dice are given below. Identify the number on the face opposite to 6.



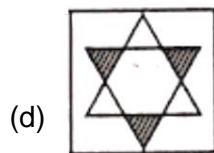
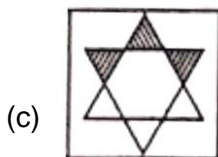
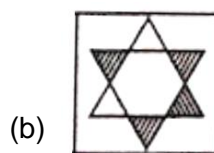
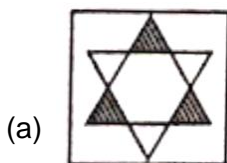
- (a) 1
(b) 4
(c) 5
(d) 7
-

7. In the following question, a piece of paper is folded in the manner shown in the question figure(s). Select the figure out of the answer choices showing the unfolded pattern after the punches (cut).



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8. From the given suitable options, find the water image of the object given in the question figure.



Achiever's Section

9. In the question given below, there is a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Statement- Crime is a function of the criminal's biological make up and his family relations.

Conclusions

- I. The incidence of crime is higher in identical twins than in fraternal twins.
II. Families in which parents lack in warmth and affection fail to build a moral conscience in the children.

- (a) if only Conclusion I follows
(b) if only Conclusion II follows
(c) if either I or II follows
(d) If neither I nor II follows

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10. Read the following information carefully to answer the question that follow.

- I. 'P + Q' means P is the father of Q.
- II. 'P - Q' means P is the mother of Q.
- III. 'P x Q' means P is the brother of Q.
- IV. 'P ÷ Q' means P is the sister of Q.

Which of the following means 'H' is paternal grandfather of T?

- (a) $H + J + T$
- (b) $T \times K + H$
- (c) $H + J \times T$
- (d) $H - J + T$

Answers

1. (a), 2. (d), 3. (d), 4. (c), 5. (b), 6. (b), 7.(d), 8.(d), 9. (d), 10. (a)