**SAMPLE PAPER**

CREST Reasoning Olympiad (CRO)

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**
1st to 4th	Logical Reasoning	25	1	25
	Achiever's Section	10	2	20
	Grand Total	**35**	**-**	**45**
5th to 10th	Logical Reasoning	40	1	40
	Achiever's Section	10	2	20
	Grand Total	**50**	**-**	**60**

1. In each of following question, find the figure given in the answer choices, that can form the question figure.

(a)   (b)

(c)   (d)
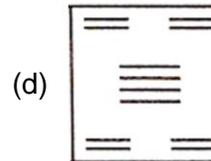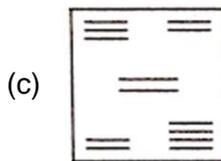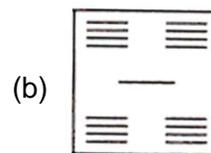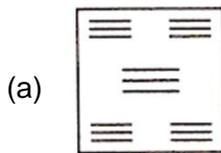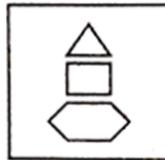
2. The age of Amit is same as Sumit because they are twins; Prachi is younger than Sumit; Prachi is younger than Jyotsana but elder than Saurabh; Sumit is younger than Jyotsana. Who is the eldest among them?

(a) Amit   (b) Jyotsana
(c) Prachi   (d) Saurabh

3. Sheela walks 2 km from A to B. She turns right at 90° and goes 3 km upto C. She, then again turns right at 90° and goes 8 km upto D. Again she takes right turn at 90° and goes 3 km upto K. From K she takes right turn at 90° again and reaches at F, after covering 4 km. Find the distance A and F.

(a) 2 km

(b) 4 km

(c) 6 km

(d) 8 km

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


(a)

(b)

(c)

(d)
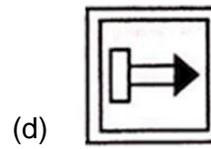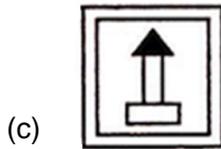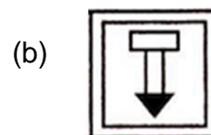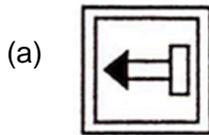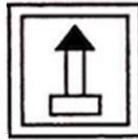
5. If in a certain code language 'ARIHANT' is coded as 'ZIRSZMG', 'BIRD' is written as 'YRIW', then how will 'PAINTER' be coded in that language?

(a) KZRFMVGI

(b) KZRMIGV

(c) KZRMGVI

(d) KZRMGIV

6. Markandey is Rajiv's mother's father. Markandey has three brothers. One of them has grandson Abhi. Rajan is son of Abhi. Rajan is related to Rajiv as:

(a) brother

(b) nephew

(c) cousin

(d) uncle

7. If a day before yesterday was Wednesday, then when will Sunday fall?

(a) A day after tomorrow

(b) Today

(c) Tomorrow

(d) 3rd days after today

8. In the following question, choose the correct mirror image from the alternatives, when mirror is placed on the line AB.

(a)

(b)

(c)

(d)
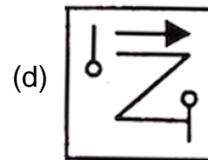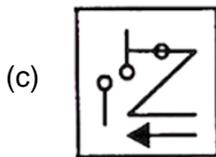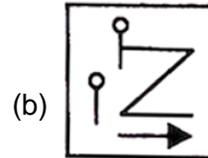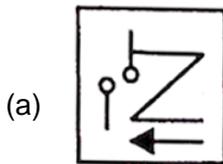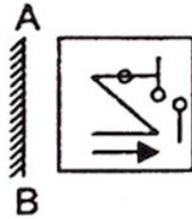
Achiever's Section

9. Read the following information carefully and then answer the question based on that.
   From amongst five doctors, A, B, C, D and E, four engineers G, H, K and L
   and six teachers M, N, O, P, Q and R, some teams are to be selected.
   Of these A, B, G, H, O, P and Q are females and the rest are males.
   The formation of teams is subject to the following conditions.
   I. Whenever there is a male doctor, there will be no female teacher.
   II. Whenever there is a male engineer, there will be no female doctor.
   III. There shall not be more than two male teachers in any team. If the team consists of three doctors, two male engineers and two teachers, the members of the team could be:

   (a) CDEKLMN   (b) ABCKLMR
   (c) CDEKLPR   (d) BCDKLNR

10. Given below is a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the assumptions and decide which of the assumption(s) is/are implicit in the statement.

Statement- Government aided schools should have uniformity in charging various fees.
Assumptions
I. The Government's subsidy comes from money collected by way of taxes from people.
II. The Government, while giving subsidy, may have stipulated certain uniform conditions regarding fees.

(a) if only Assumption I is implicit
(b) if only Assumption II is implicit
(c) if either I or II is implicit
(d) if neither I nor II Is implicit

Answers

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