SAMPLE PAPER

CLASS : 5

MATRIX OLYMPIAD
The Most Innovative Talent Recognition Exam

Total Questions : 60

Duration : 2 Hrs.

Paper Pattern			
Section	**(A) Maths**	**(B) Science**	**(E) Logical Reasoning & IQ**
Number of Questions	30	20	10

Marking Scheme: +4 For Correct Answer (There is no negative for wrong answer)

Syllabus

Section A – • Lines, Rays and Angles • Arithmetic Operations • Factors and Multiples • Areas and Perimeters • Volume

Section B – • Animal and our plants • Power house • You are what you eat • Survival of the fittest • Crux of the matter
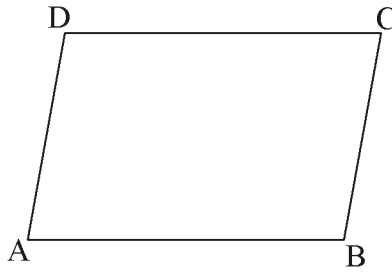
Section C – • Series : Number, Alphabet and Letter repeating series • Direction sense • Mirror & Water Image • Ranking and Ordering • Mathematical Operation • Paper Folding and Cutting

Instructions :

1. This Booklet is your **Question Paper**. DO NOT break seal of Booklet until the invigilator instructs to do so.
2. The Answer Sheet is provided to you separately which is a machine readable **Optical Response Sheet (ORS)**. You have to mark your answer in the ORS by darkening bubble, as per your answer choice, by using **Black /Blue** ball point pen only.
3. If you are found involved in cheating or disturbing others then your ORS will be cancelled.
4. Do not put any stain on ORS and hand it over back properly to the invigilator.
5. You can take along the question paper after test over.

Note: This is a Sample Paper and Actual Question Paper Contains 60 Questions.

SECTION – A : MATHEMATICS
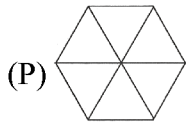
1. Which of the given options are not names for this quadrilateral ?
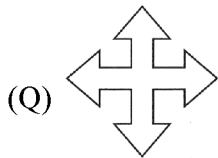

[Lines and Rays]

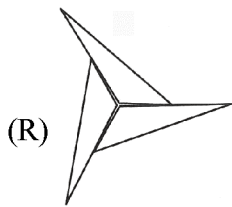(A) CDAB   (B) ACDB

(C) BADC   (D) BCDA

2. Observe the given shapes. Match the shapes to the turns that will make them look the same.

(P)   (i) $\frac{1}{4}$ turn

(Q)   (ii) $\frac{1}{3}$ turn

(R)   (iii) $\frac{1}{6}$ turn

[Angles Around You]

(A) P → (iii), Q → (i), R → (ii)   (B) P → (i), Q → (ii), R → (iii)

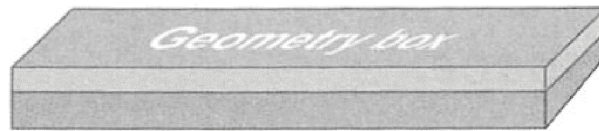(C) P → (iii), Q → (ii), R → (i)   (D) P → (ii), Q → (iii), R → (i)

3. Which of the following statement/s is/are true ?

[Factors and Multiples]

(i)   1, 2, 8 and 16 are the only factors of 16

(ii)   1 is a factor of all numbers

(iii) 56 is a multiple of both 7 and 8

(iv) 9 is a factor of both 45 and 80

(A) Only (i) and (ii)   (B) Only (ii) and (iii)

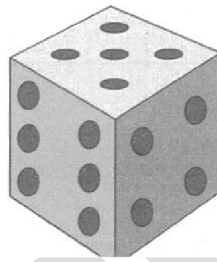(C) Only (i)   (D) All are true

4. What is the volume of a geometry box whose length is 11 cm, breadth 5 cm and height 2 cm ?

[Volume]

(A) 55 cm³   (B) 110 cm³

(C) 11 cm³   (D) 10 cm³

5. Find the volume of the given dice, which is in the shape of a cube of side 30 cm.

[Volume]

(A) 900 cm³   (B) 9000 cm³

(C) 27000 cm³   (D) 2700 cm³

SECTION – B : SCIENCE

6. Rahul was rowing a boat. Which form of energy was he using ?

[Powerhouse]

(A) Sound energy   (B) Food energy

(C) Light energy   (D) Heat energy

7. The lack of vitamin A in our body causes the disease, _____.

[You Are What you Eat]

(A) sucurvy   (B) beri beri

(C) night blindness   (D) anaemia

8. Dogs, cats and bears are examples of _____.

[Animals on our Planet]

(A) fish   (B) mammals

(C) reptiles   (D) amphibians

SECTION – C : LOGICAL REASONING & IQ

9. In this question, you have to identify the image of the item (Letter/word/ Number) in the mirror. The mirror is placed below the item. Choose the true image from the given alternatives.

फ़सल

[Mirror Image]

(A) फ़सल   (B) फ़सल

(C) फ़सल   (D) फ़सल

10. Pankaj start from A and walks North-East to B. He turns West and walks to C. Then turns South and walks to D. He then turns East and walks to E. Finally he turns South-West and walks to F. Which of the answer figures exactiy shows the path Pankaj traced ?

[Direction Sense Test]