MIT ENTRANCE TEST
SILICA Test Series – 3

TEST   **TIME : 60 minutes**
                                                            100 marks

Question 1
For sub-question 1a-1h below, indicate the correct answer by putting the tick mark on the option. (8 marks)

Q 1a The gas usually filled in the electric bulb is

i)   Nitrogen   ii)   hydrogen

iii)   carbon dioxide   iv)   oxygen

Q 1b   How many spokes are there in the Ashoka chakra

i)   36   ii)   27

iii)   24   iv)   19

Q 1c The largest part of our hydrosphere is

i)   Atlantic Ocean   ii)   Indian Ocean

iii)   Pacific ocean   iv)   Antarctica ocean

Q 1d In a standard match stick box **,** how many stick are there-

i)   50   ii)   75

iii)   100   iv)   95

Q 1e Which following enhances the greenhouse effect

i)   CFL   ii)   CFC

iii)   COC   iv)   CNC

Q 1f Who is the father of Geometry?

i) Aristotle   ii) Euclid

iii) Pythagoras   iv) Kepler

Q 1g Who is the author of the book 'My Experiments with Truth'?

i) Mahatma Gandhi   ii) Michael Anderson

iii) Humayun   iv) Jahangir

Q 1h Tulsidas, the author of *Ramcharitmanas*, was a contemporary of which of the following rulers?

i) Shajahan   ii) Akbar

iii) Winston Churchill   iv) Jarnes Morris

Question 2
Write the name of colour the best suites for following (2 marks)
Fun   life   growth   knowledge   Sleep   Fall

Question 3
Q3a "Man and Machine" Describe in 400 words. (5 Marks)

Q3b Draw a poster showing man with most powerful machine.(5 Marks)

Question 4
Narrate a story with proper ending in not more than 400 words by the using following words. (8marks)

Sun   road   three   fan   pen   T-Shirt   pin   red   orange   fun   fly   eggs   paper   sand
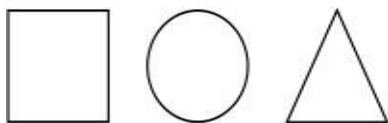
Question 5

Q5a Given here are diagrammatic representations of symbols related to known organizations. Identify the organization to which each symbol belongs. (5 marks)

A		D	
B		E	
C		F	
G		H	
I			

Q 5b Use and arrange the elements drawn below in any way you want, inside the given squares to best express the idea of the words given below.(5 marks)

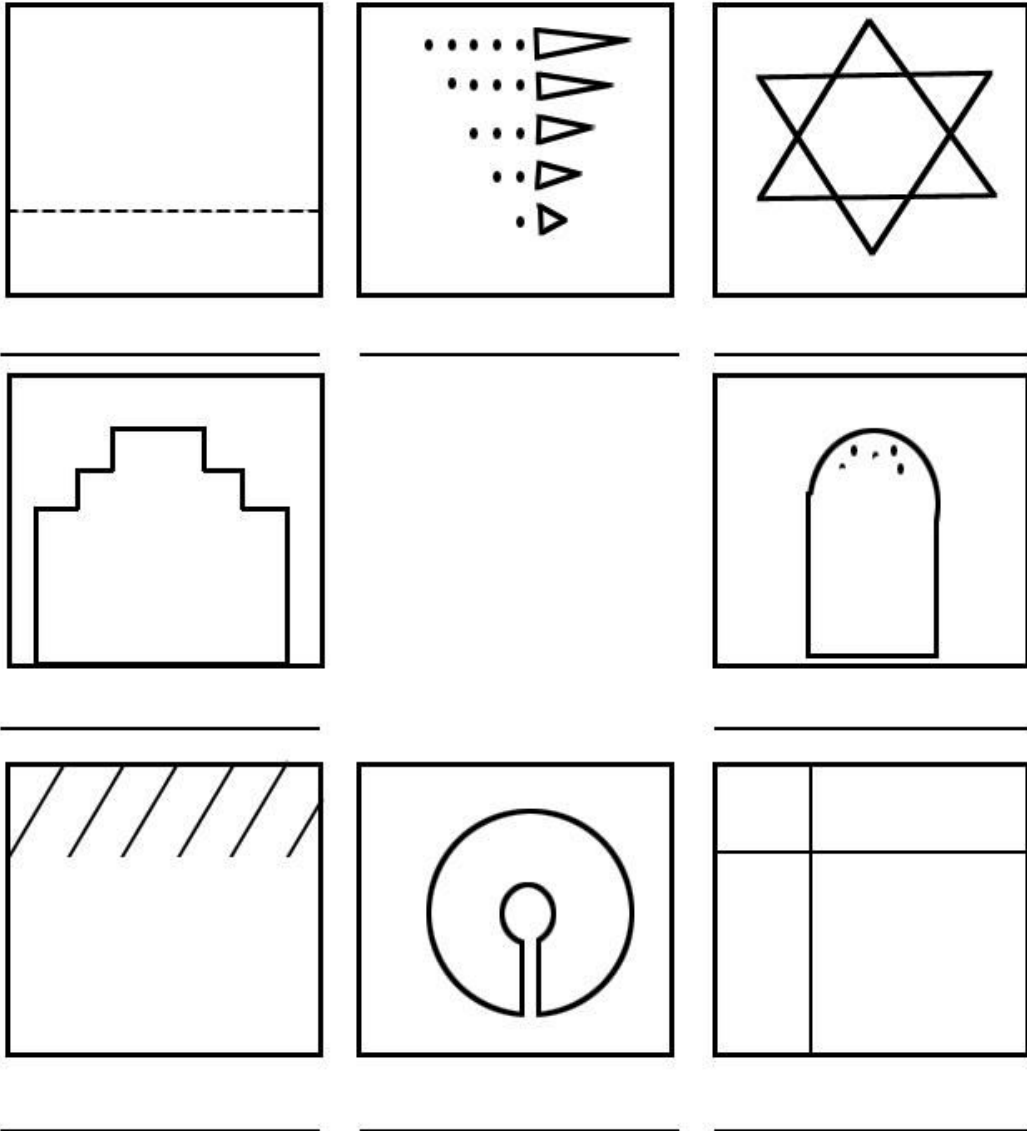The words are: **A) Flexible B) Stable C) Competition D) Innocent E) Happiness**

Elements:

_____

_____

_____

_____

_____

_____

Question 6

You are provided with a list of words

 Select the most appropriate word from the list for each visual given below

And write that word under each visual. (10 marks)

Boundary	Folding	Investment	Perspective	Textile
Bridge	Fraction	Milestone	Progression	Travel
Crossing	Heritage	National	Regular	Triangle
Duality	Hole	Parking	Salt	Universe
Flower	Important	Paper	Stitch	Well

Question 7

For sub-question 7a-7j below, indicate the correct answer by putting the tick mark on the option.(10 marks)

Q7a questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.

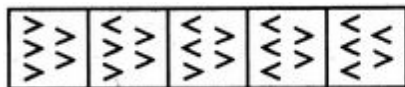A large sleeping-room with many beds

i)   Bedroom   ii)   Dormitory

iii)   Hostel   iv)   Basement

Q7b Which word does NOT belong with the others?

i)   tape   ii)   twine

iii)   cord   iv)   yarn

Q7c elect a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**

(A)   (B)   (C)   (D)   (E)   (1)   (2)   (3)   (4)   (5)

i)   1   ii)   2

ii)   3   iii)   4

v)   5

Q7d Choose the alternative which is closely resembles the water-image of the given combination.

FROG

(1) ꓞꓤꓳꓩ   (2) GORF
(3) ꟻꓤOꓖ   (4) ꓭꓤOꓖꓒ

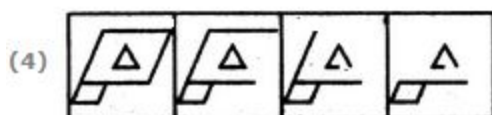i)   1   ii)   2

iii)   3   iv)   4

Q7e Choose the set of figures which follows the given rule.
Rule: Closed figures become more and more open and open figures become more and more closed.

i) 1   ii) 2

iii) 3   iv) 4

Q7f Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.
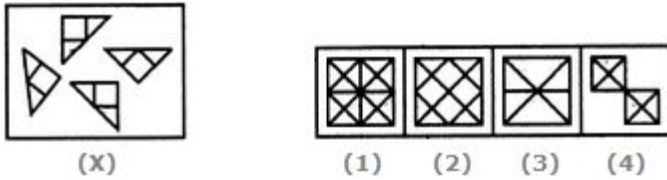
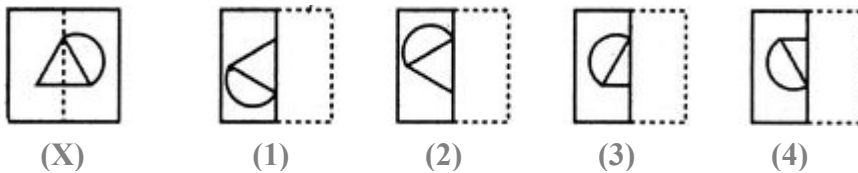Problem Figures: Answer Figures:

(A)   (B)   (C)   (D)   (E)   (1)   (2)   (3)   (4)   (5)

Q7g Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).

(X)   (1)   (2)   (3)   (4)

i) 1   ii) 2

iii) 3   iv) 4

Q7h Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

(X)   (1)   (2)   (3)   (4)

i) 1   ii) 2

iii) 3   iv) 4

Q7i QAR, RAS, SAT, TAU, _____

i) UAV   ii) UAT

iii) TAS   iv) TAT

Q7j Mara runs faster than Gail.
       Lily runs faster than Mara.
       Gail runs faster than Lily.
If the first two statements are true, the third statement is

i)   true

ii)   false

iv)   uncertain

Question 8

Make a poster on **Water conservation or Eradication of child labour**. (10 marks)

Question 9

You are given an object. Study and analyse the object from the point of   (10 marks)

   1) Function/use (drawing/sketches and world)

   2) Materials (describe in words)

   3) No of parts (drawing/sketches and world)
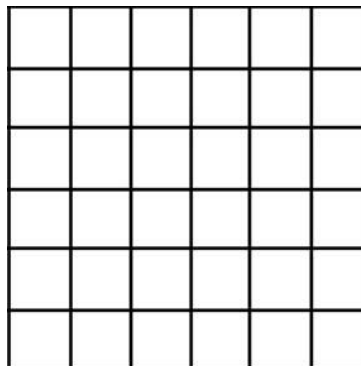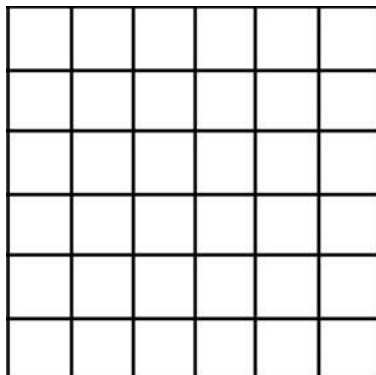
    Board clip

Convey through sketches and brief descriptions, 5 different uses of this object in its actual size.

Question 10
Use peccil colour in each square in any combination to represent any of the given them. Please indicate clearly the themes selected by you (12 Marks)

Excitement   peace   passion   grace

Question 11

Draw a figure of an old man crossing the road. (12 marks)