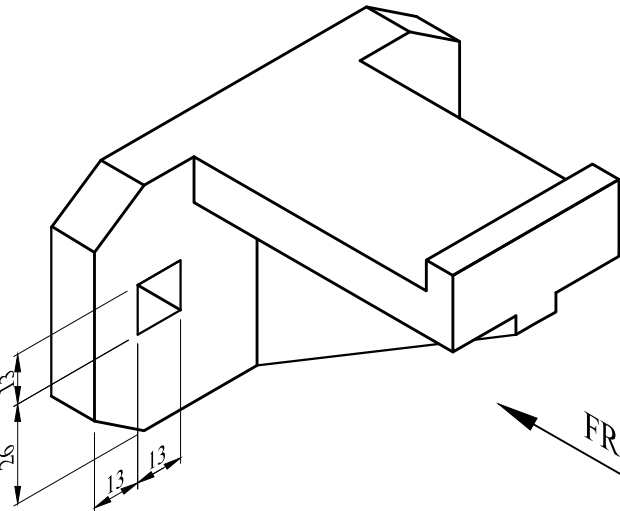QUESTION No. 1
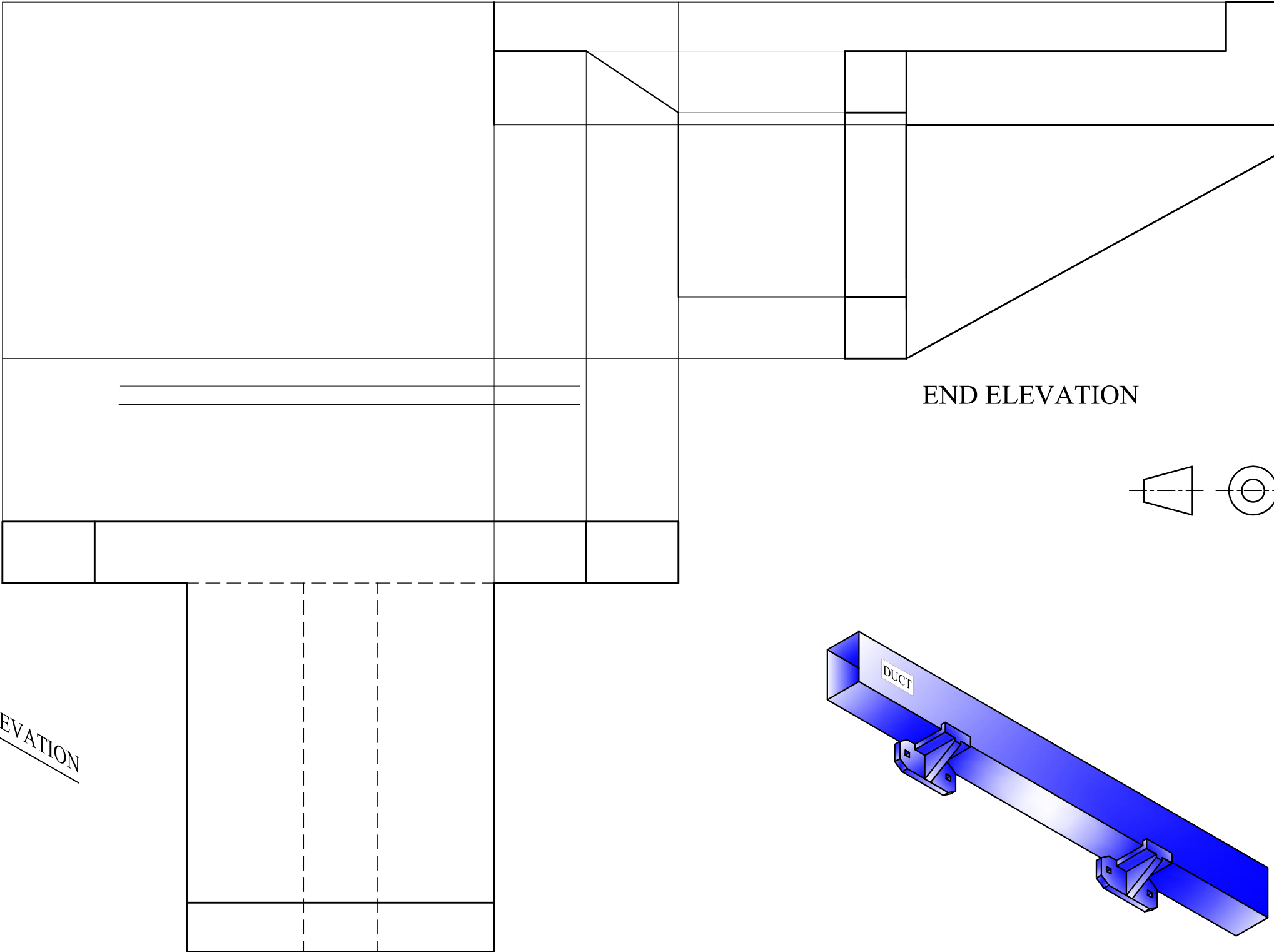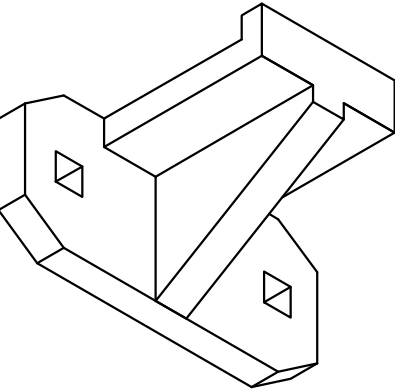
Three incomplete orthographic views and three pictorial views of an **angle bracket** used to support a rectangular duct are given.

(i) By projecting lines from the end elevation and plan, and making use of any given dimensions, complete the **front elevation** of the bracket as indicated by the arrow. Include hidden details.

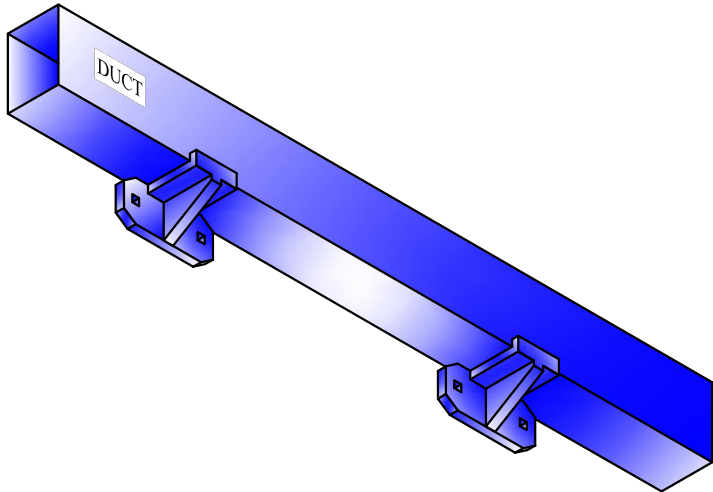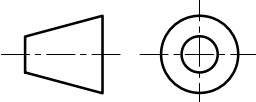(ii) Show the hidden details of the **two** rectangular holes in the end elevation and plan.

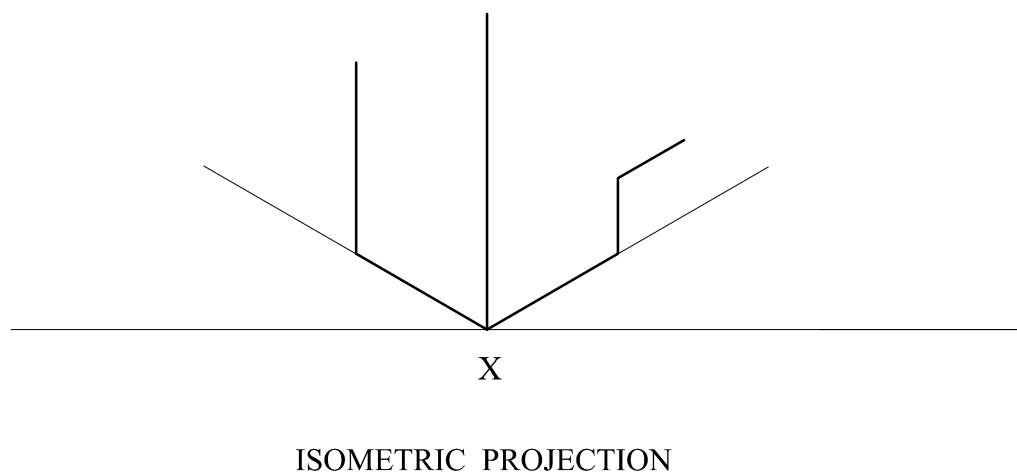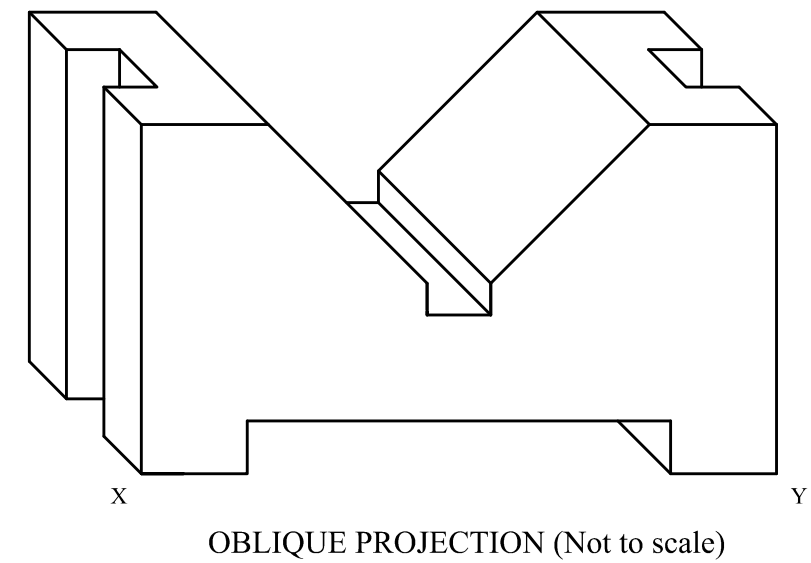Label your front elevation in block letters.

18 marks

END ELEVATION

FRONT ELEVATION

PLAN

DUCT

Sheet 1 of 4

Class:
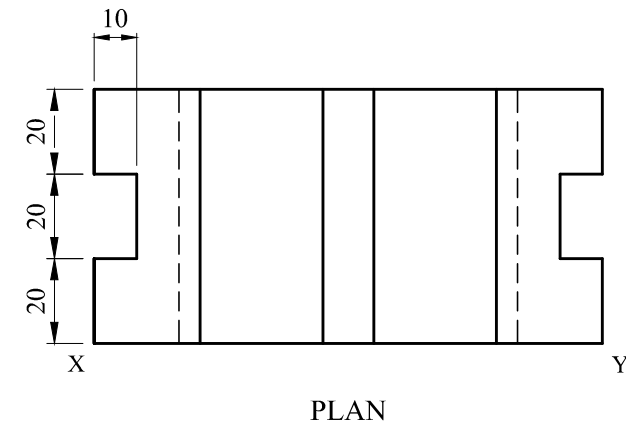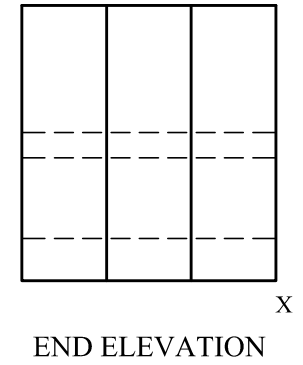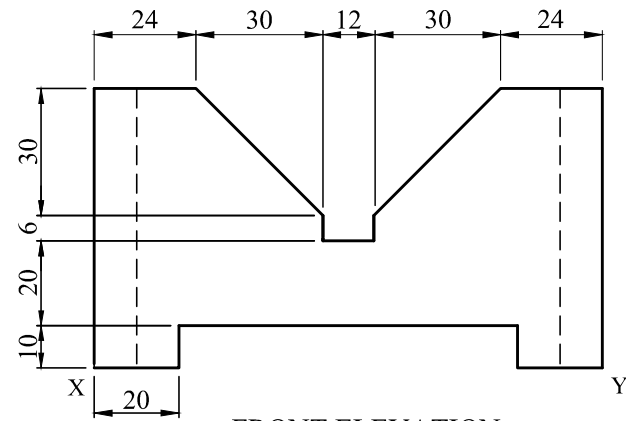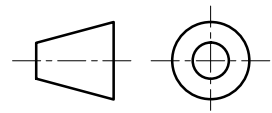
QUESTION No. 2

Three orthographic views and an oblique projection of a **vee-block** used to support round bars are shown. To the dimensions given, complete the **isometric projection** of the vee-block started below.
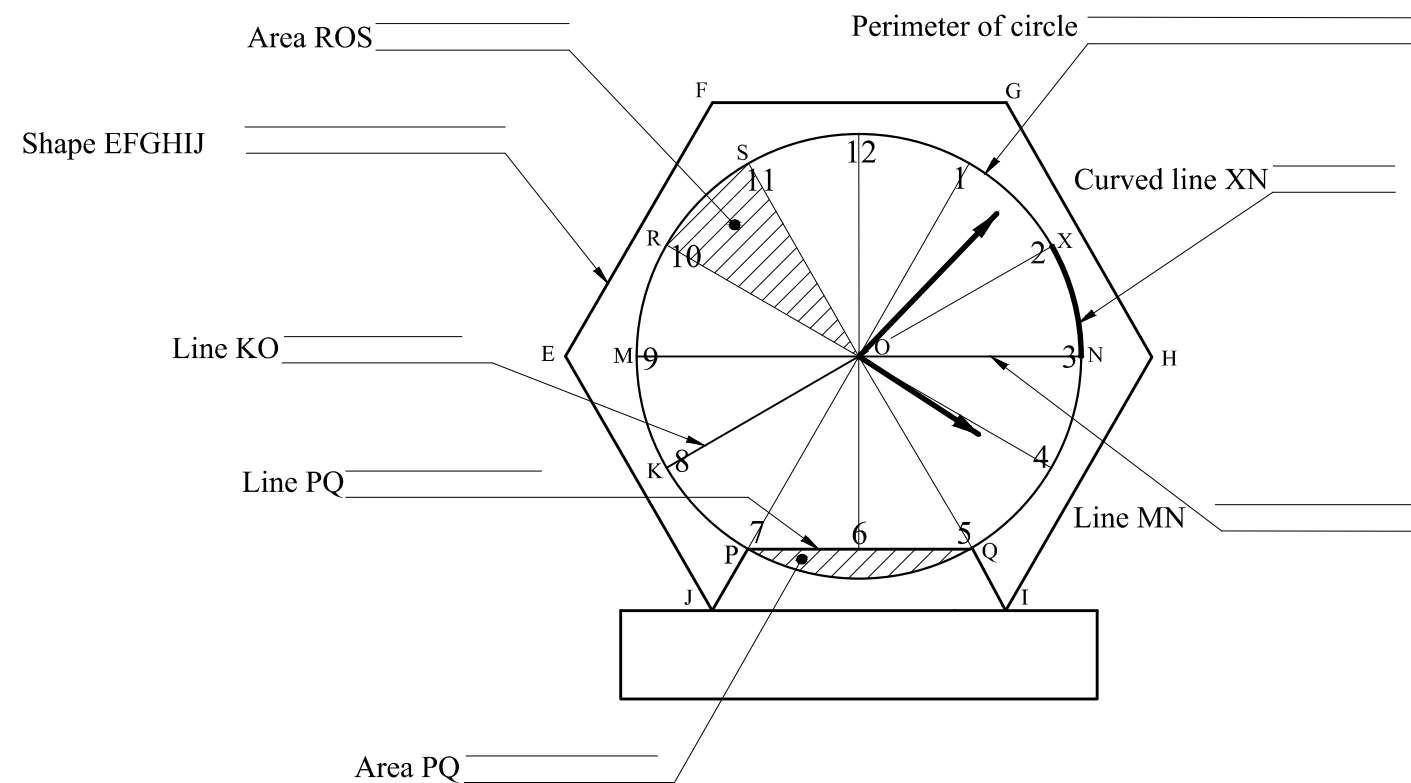
18 marks

FRONT ELEVATION

END ELEVATION

PLAN

ISOMETRIC PROJECTION

OBLIQUE PROJECTION (Not to scale)

Sheet 2 of 4

Track 3 _ FORM 2 _ 2012
GRAPHICAL COMMUNICATION

Class:

QUESTION No. 3

(i)   The drawing shows a clock on a stand. It is made up of different lines and shapes. Within the given guide lines, write down in block letters, the names of the following parts of the circle:
- line KO
- line MN
- line PQ
- area PQ
- area ROS
- curved line XN
- the perimeter of the circle.

(ii)   Write down the name of the shape bound by EFGHIJ.
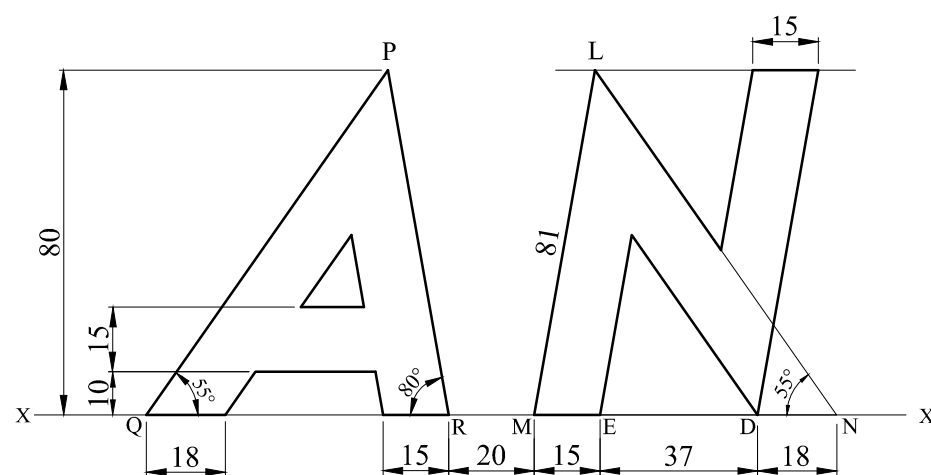
14 marks

Area ROS _____

Perimeter of circle _____

Shape EFGHIJ _____

Curved line XN _____

Line KO _____

Line PQ _____

Line MN _____

Area PQ _____

QUESTION No. 4

The figure below shows the logo of a company selling boat equipment called *Arbor Navigation*. You are required to draw the logo consisting of the two letters A and N using the following instructions:

(a)   to draw letter **A**: on line XX, start by constructing a triangle PQR with a vertical height of 80mm and base angles of 55° and 80° respectively. Finish the letter using the given dimensions.

(b)   to draw letter **N**: on the same line XX, start by constructing a triangle LMN where MN is 70mm long, angle N is 55° and LM is 81mm long. Finish the letter using the given dimensions.
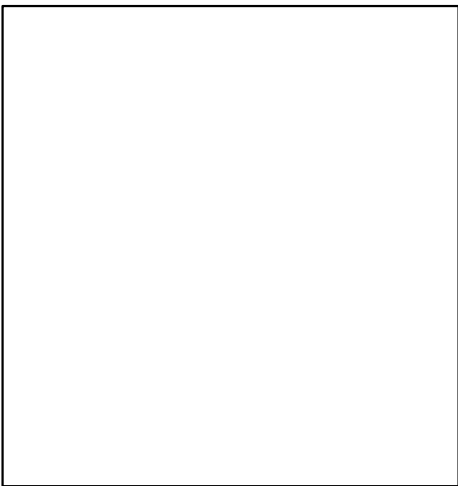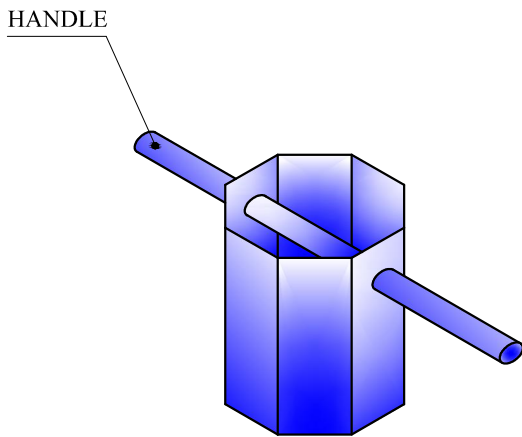
18 marks

X _____ X

Sheet 3 of 4

Class:

QUESTION No. 5

A pictorial view and an incomplete front
elevation of a special key having the shape
of an **octagonal prism** and used to adjust the
spoiler of a sports car are shown.
Ignoring the handle,
(i) draw the plan of the key by constructing
a **regular octagon** on the given base BC.
(ii) Complete the front elevation.
(iii) Draw the development using the given
start lines.

16 marks

HANDLE

FRONT ELEVATION

DEVELOPMENT

B   C
PLAN

QUESTION No. 6

Some of the buses in Malta have passenger seats facing each other.
A prohibition sign is required on these buses which informs passengers
that they must not rest their feet on the seats in front of them.
(i) Draw preliminary freehand sketches to develop the above idea.
(ii) Using your sketches and with the help of drawing instruments, make
a final drawing of a **prohibition sign** to inform passengers not to put their
feet on the seat in front of them.
Note: Marks will be given for the correct type of the sign and for the use
of the right colours.

16 marks

PRELIMINARY SKETCHES   PROHIBITION SIGN

Sheet 4 of 4

▨▨▨   Track 3 _ FORM 2 _ 2012
GRAPHICAL COMMUNICATIC

Class: