

SHEET 1

PENANG SANGAM HIGH SCHOOL
YEAR 10
BASIC TECHNOLOGY
WORKSHEET – 4

QUESTION 1

MULTIPLE CHOICE

(8 marks)

1. Figure shown on the right would best represent a

- A. Logo.
- B. Mark.
- C. Sketch.
- D. Pictograph.



2. Which of the following factors is greatly reduced by the use of a design template?

- A. Cost
- B. Time
- C. Aesthetics
- D. Ergonomics

3. The outer shape of the nut viewed from the top as shown in the diagram below is a

- A. Regular octagon.
- B. Regular hexagon.
- C. Regular pentagon.
- D. Regular heptagon.



4. Safety goggles should be used when a student needs to

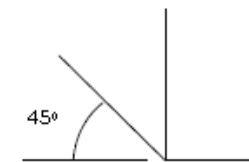
- A. Sharpen a carving tool.
- B. Chip off wood using a chisel.
- C. Cut the stencil for screen printing.
- D. Have a clear vision in the workshop.

5. The pictorial drawing which represents a picture of real objects is

- A. Oblique.
- B. Isometric.
- C. Perspective.
- D. Orthographic.

6. Which of the following pictorial projections is represented by the axes given on the right?

- A. Oblique
- B. Isometric
- C. 1-point Perspective
- D. 2-point Perspective



7. Why is plywood commonly used in aircraft construction?

- A. It is strong and cheap
- B. It is hard and durable
- C. It is ductile and malleable
- D. It is strong and lightweight

8. Which of the following is a property of metals?

- A. Ductility
- B. Brittleness
- C. Low density
- D. Non-conductor

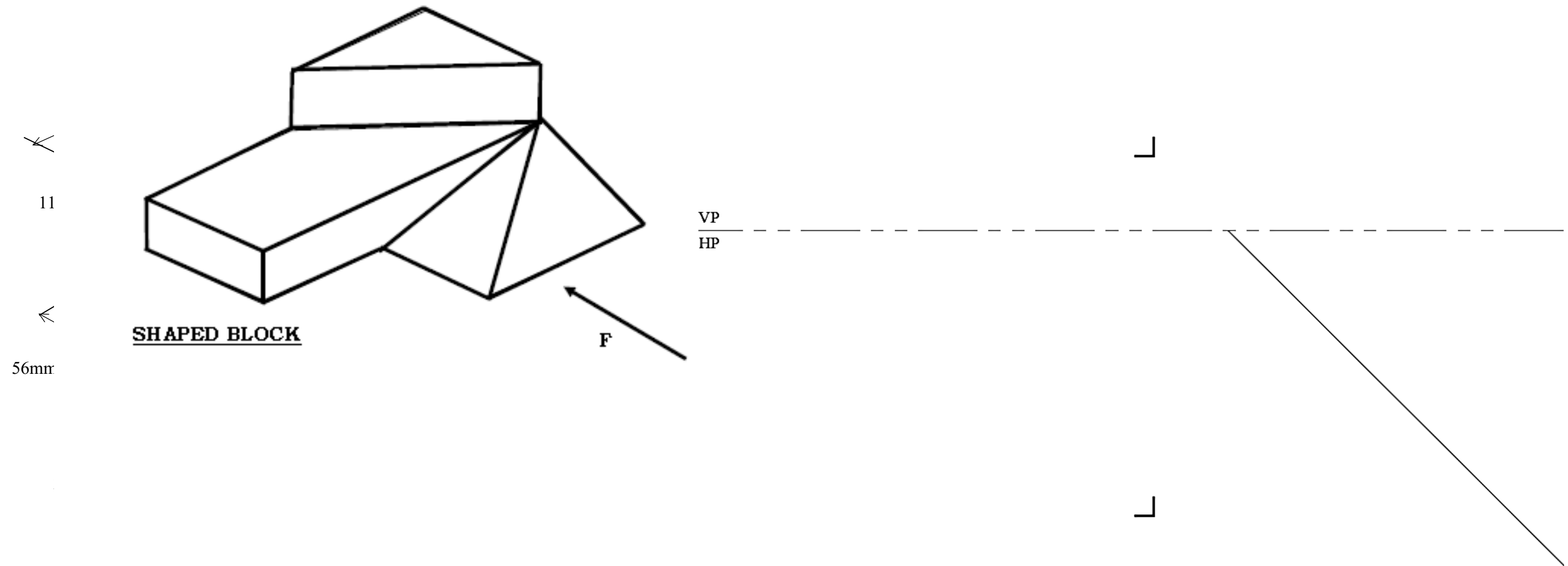
QUESTION 2 ORTHOGRAPHIC DRAWING

Given: A simple SHAPED BLOCK drawn in isometric.

SHEET 2

Required: By taking measurements directly from the pictorial drawing and using 1st angle orthographic projection, answer the questions given below:

- (1) Label any four visible faces of the SHAPED BLOCK on the isometric drawing with 'letters'.
- (2) Draw the plan.
- (3) Draw the Front Elevation
- (4) Draw the end elevation.
- (5) Label the plan and end elevation



Please note that the **dimensions** on the drawings are given for reference purpose i.e. students can use the given dimensions and redraw on a separate worksheet **if not** then the students can directly do the solution on **this same** drawing question/ sheet.