



THE COUNCIL OF COMMUNITY COLLEGES OF JAMAICA

ASSOCIATE OF SCIENCE EXAMINATION

SEMESTER II – 2015 MAY

PROGRAMMES: ARCHITECTURE AND CONSTRUCTION
TECHNOLOGY

COURSE NAME: ARCHITECTURAL DRAFTING I
CODE : (ARCH1201)

YEAR GROUP: ONE

DATE: TUESDAY, 2015 MAY 5

TIME: 9:00 A.M. – 12:00 NOON

DURATION: 3 HOURS

EXAMINATION TYPE: FINAL

This Examination paper has 5 pages

INSTRUCTIONS:

SECTION B: ANSWER ANY THREE (3) QUESTIONS FROM THIS SECTION.

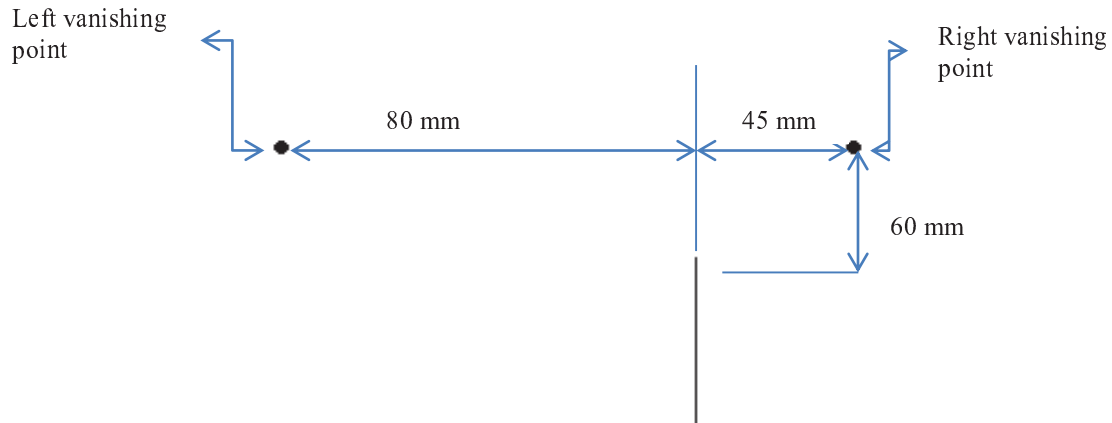
SECTION B

*Instructions: Answer any **THREE (3)** questions from this section.*

Question 1

- a. Reproduce the given vanishing points illustrated in **Figure 1** on the drawing sheet provided and complete a sketch of a two (2) point perspective drawing of the house shown as **Figure 3**. Please show all construction lines.

Figure 1



(12 marks)

- b. Reproduce the given vanishing points illustrated in **Figure 2** on the drawing sheet provided and complete a sketch of a two (2) point perspective drawing of the house shown as **Figure 3**. Please show all construction lines.

Figure 2

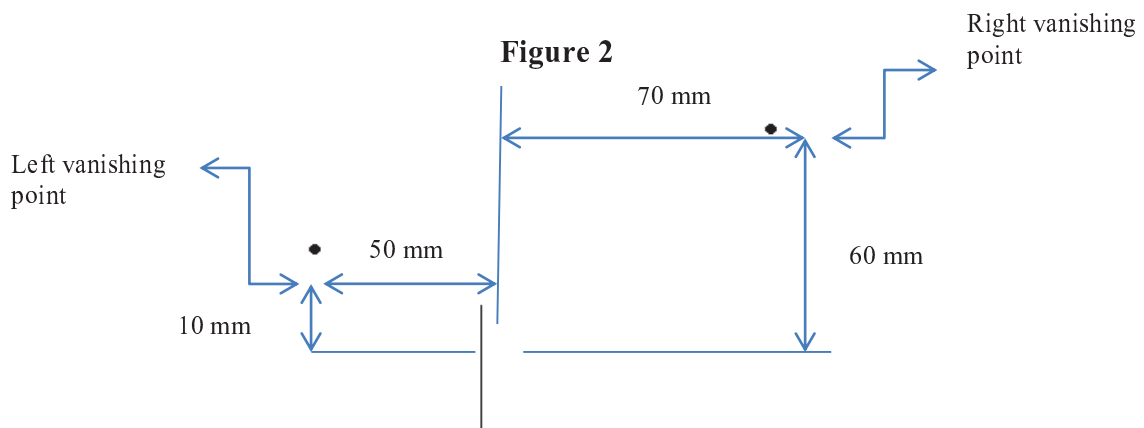
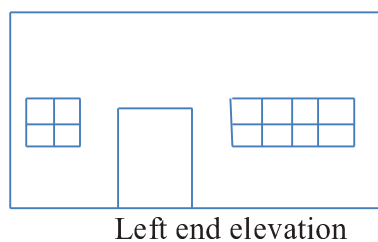
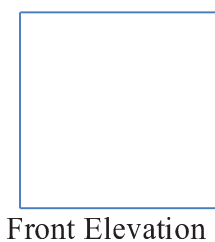


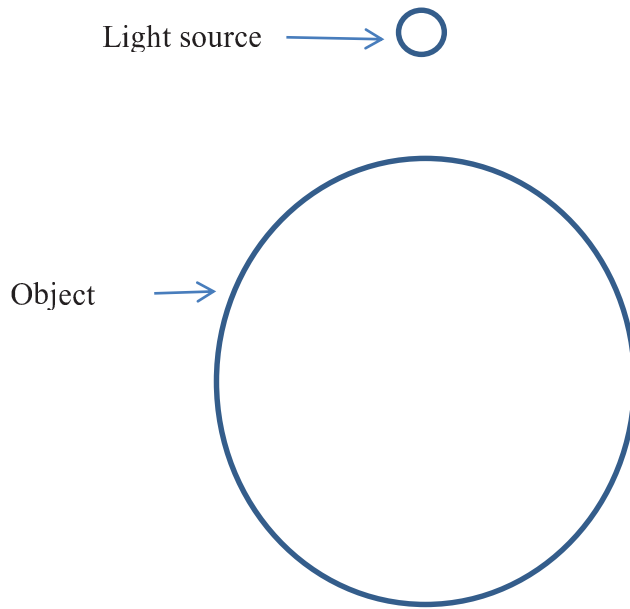
Figure 3

(13 marks)



Question 2

Using the information below, reproduce the scenario on the drawing paper provided and apply the appropriate shade and shadow of the object based on the light source.



(Total 25 marks)

Question 3

Draw and label the eave detail in part 'a' and **either** of 'b' or 'c' on the drawing sheet provided. Sketches may be drawn with the aid of a ruler and **not drawn to scale**.

a. Eave detail *(15 marks)*

AND

b. Ridge detail *(10 marks)*

OR

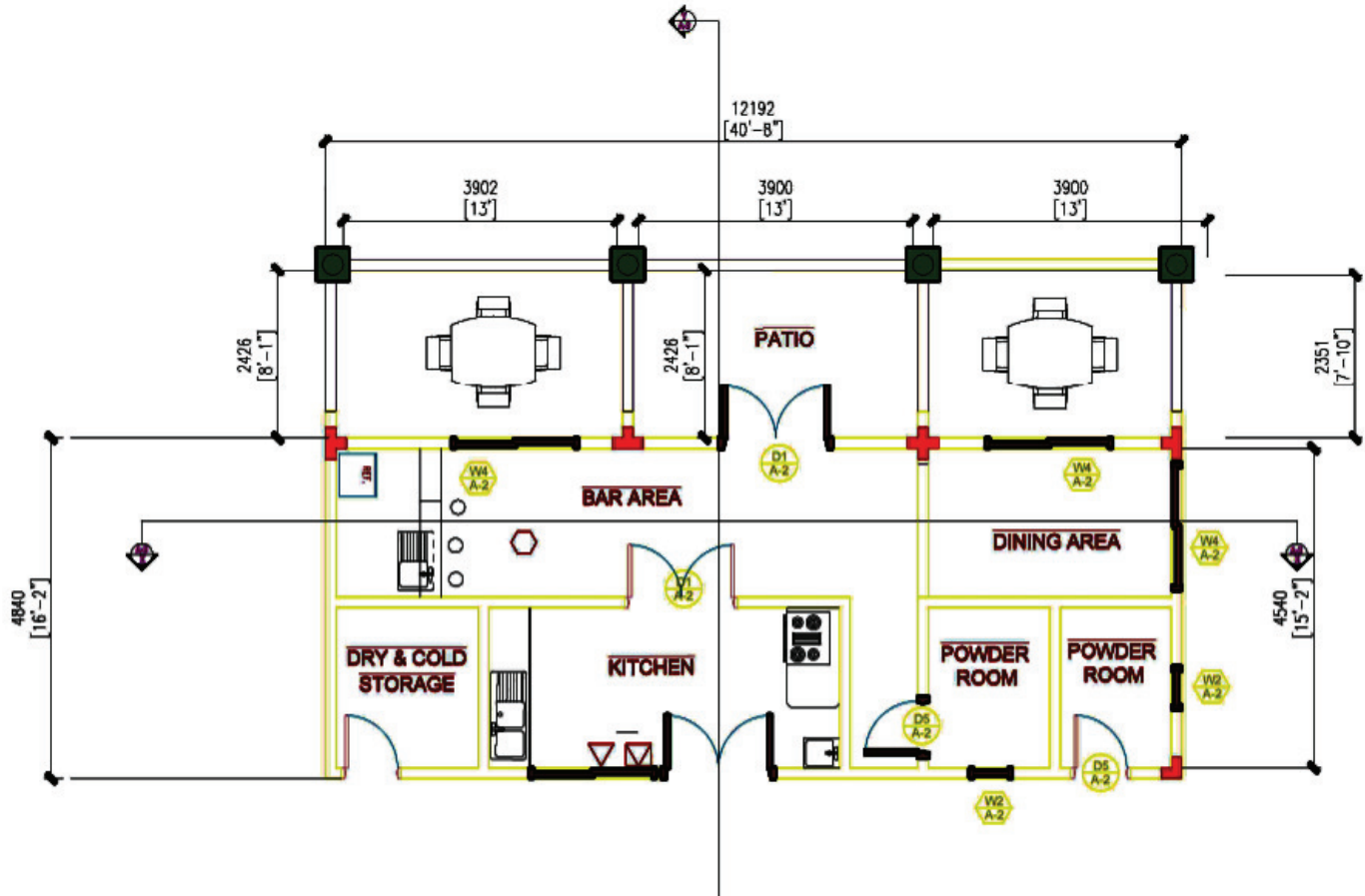
c. Valley detail *(10 marks)*

(Total 25 marks)

Question 4

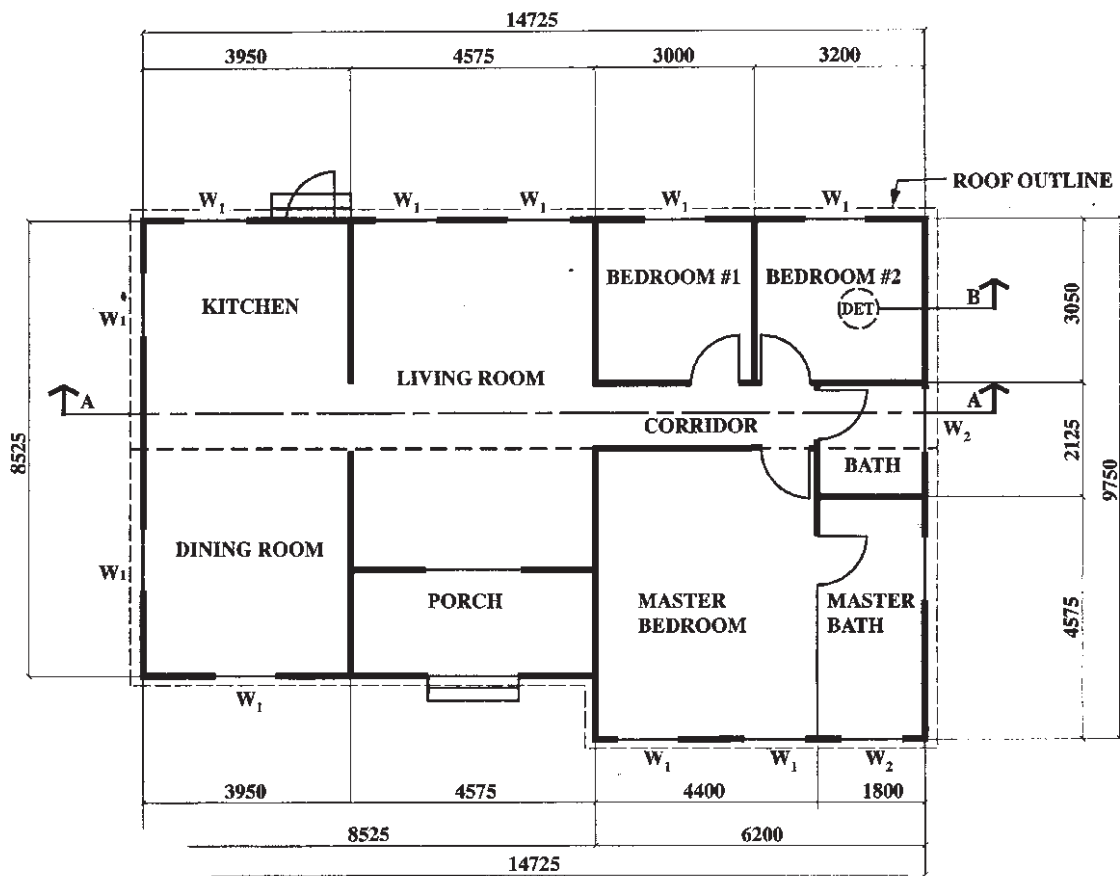
Use the information in the diagram below to produce a foundation plan of the structure.

(Total 25 marks)



Question 5

Figure 4



DRAWING NOT TO SCALE

Specifications

- Roof overhang – 450 mm ^g
- Fascia – 25 mm x 250 mm
- Walls – External – concrete blocks, 150 thick with 10 mm plaster both sides
- Door – (D_1) Glass sliding, 1800 wide x 2100 high
- Windows – (W_1) Glass louvres, 1200 wide x 1200 high
 (W_2) Glass louvres, 600 wide x 600 high

Draw to a scale of 1: 50, the completed floor plan shown in **Figure 4** above.

- a. Wall thicknesses (5 marks)
- b. All doors and windows (10 marks)
- c. Name of all rooms (5 marks)
- d. Two main overall dimensions (2 marks)
- e. Six minor dimensions (3 marks)

(Total 25 marks)

END OF EXAMINATION