



THE COUNCIL OF COMMUNITY COLLEGES OF JAMAICA

ASSOCIATE OF SCIENCE EXAMINATION

SUMMER/SUPPLEMENTAL – 2014 AUGUST

PROGRAMMES: ARCHITECTURAL AND CONSTRUCTION
TECHNOLOGY

COURSE NAME: ARCHITECTURAL DRAFTING I
CODE: (ARCH1201)

YEAR GROUP: ONE

DATE: TUESDAY, 2014 AUGUST 19

TIME: 9:00 A.M. – 12:00 NOON

DURATION: 3 HOURS

EXAMINATION TYPE: FINAL

This Examination paper has 4 pages

INSTRUCTIONS:

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

SECTION B

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

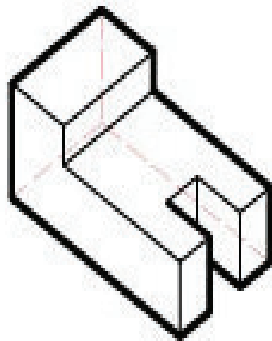
Question 1

- a. Draw and label a typical sectional view of a strip foundation system. *(20 marks)*
- b. Define the term tone as it relates to architectural drafting. *(5 marks)*

(Total 25 marks)

Question 2

Fig 1.1



- a. Use the isometric object in Fig 1.1 to produce a sketch of the diagram using two (2) point perspective. The perspective should be represented below the line of horizon and closer to the right vanishing point than the left vanishing point. *(15 marks)*
- b. Correctly label the following point on the two (2) point perspective diagram from Fig.1.1.
- i. Left vanishing point
 - ii. Right vanishing pint
 - iii. Horizon
 - iv. Ground level
 - v. Picture plane *(5 marks)*
- c. List **five (5)** types of foundations. *(5 marks)*

(Total 25 marks)

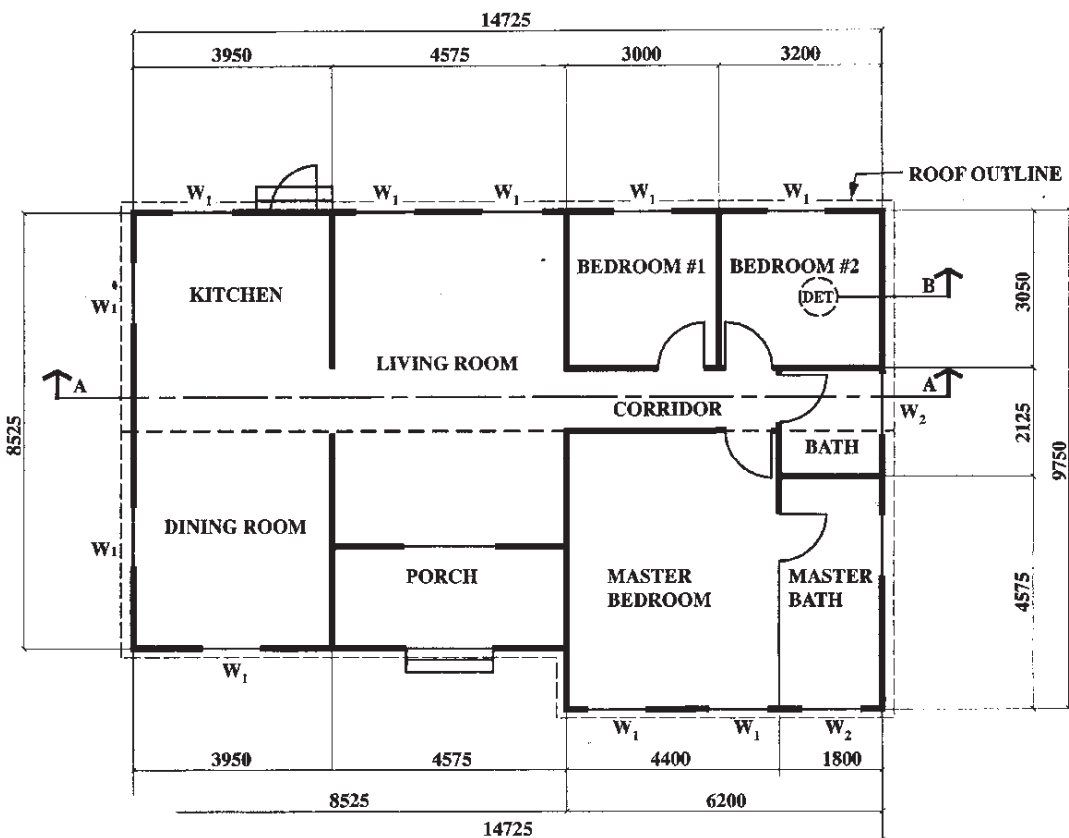
Question 3

- a. Draw line diagrams of the plan elevation of any **five (5)** of the following doors
- i. Bi folding
 - ii. Accordion
 - iii. Revolving
 - iv. Pocket
 - v. Double action
 - vi. Bi Pass sliding
- (10 marks)**

- b. Prepare a window schedule for the following scenario.
 A proposed two story dwelling is to be erected with a total of nineteen (19) windows of which are U.P.V.C glider windows. Eleven (11) of these U.P.V.C glider windows are 5' x 4', four (4) are 4' x 4', two (2) are 6' x 4' and the two (2) remaining windows are octagonal (vertically hung) with a size of 2' x 2'
- (15 marks)**

(Total 25 marks)

Question 4



DRAWING NOT TO SCALE

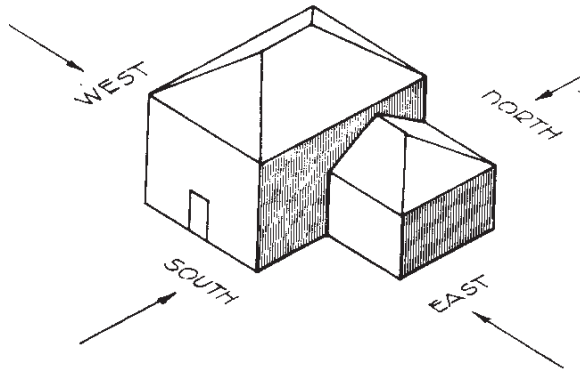
Use the outlined drawing of a three bedroom house in the diagram above to produce a floor plan of scale 1:50, showing the following:

- i. Wall thickness *(2 marks)*
- ii. All doors and windows *(4 marks)*
- iii. Kitchen appliances and base cupboards *(4 marks)*
- iv. Bathroom fixtures *(5 marks)*
- v. Names of all rooms *(4 marks)*
- vi. 10 main external dimensions *(5 marks)*
- vii. 2 Overall dimension *(1 marks)*

(Total 25 marks)

Question 5

Fig.1.2



Using the isometric diagram of the structure in Fig.1.2, make neat sketches of the following on the drawing paper provided.

- i. South elevation
- ii. East elevation
- iii. North elevation
- iv. West elevation
- v. Floor plan

(Total 25 marks)

END OF EXAMINATION