



THE COUNCIL OF COMMUNITY COLLEGES OF JAMAICA
ASSOCIATE OF SCIENCE EXAMINATION
SEMESTER I – 2017 DECEMBER

PROGRAMME: ARCHITECTURAL AND CONSTRUCTION TECHNOLOGY

COURSE NAME: ADVANCE ARCHITECTURAL DRAFTING

CODE: ARCH2303

YEAR GROUP: TWO

DATE: MONDAY, 2017 DECEMBER 4

TIME: 3:00 P.M. – 5:00 P.M.

DURATION: 2 HOURS

EXAMINATION TYPE: FINAL

This Examination paper has 8 pages

INSTRUCTIONS:

1. THIS EXAMINATION PAPER CONSISTS OF TWO (2) SECTIONS: (A) AND (B)
2. ANSWER ALL QUESTIONS FROM SECTION A
3. SECTION B CONSISTS OF FOUR (4) QUESTIONS. CHOOSE ANY TWO (2)

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO

SECTION B

Instructions: Answer any TWO (2) questions from this section.

Question 1

- 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
- (12 marks)*
- B. With the aid of neatly sketched diagram outline the FIRST THREE (3) steps of the compositional strategies used by architects to organize and assemble. *(18 marks)*
- (Total 30 marks)*

Question 2

- A. Outline FIVE (5) details required to build the model. *(10 marks)*
- B. Explain FIVE (5) factors that would influence the best scale for the model. *(10 marks)*
- C. List THREE (3) old materials that architectural model can be made from. *(5 marks)*
- D. List THREE (3) modern materials that architectural model can be made from. *(5 marks)*
- (Total 30 marks)*

Question 3

- A. Use a diagram to show the combination of a typical strip foundation and floor on ground systems. *(9 marks)*
- B. Use a neat labelled sketch to show a typical section through load bearing 150mm block wall. *(8 marks)*
- C. List **FOUR (4)** materials used in the construction of a non-loading wall. *(4 marks)*
- D. Define a 'wall' in terms of its function. *(4 marks)*
- E. Draw a sectional detail of a door jamb. *(5 marks)*

(Total 30 marks)

Question 4

- A. Use neatly labelled sketches to show a section through and open eave. *(7 marks)*
- B. Use pictorial sketches to show the difference between a gable and a hip roofs. *(8 marks)*
- C. Define the term 'flashing' used in the construction industry. *(4 marks)*
- D. List **THREE (3)** materials used for flashing. *(3 marks)*
- E. Use a neatly labelled diagram to show the ridge detail of a timber roof. *(8 marks)*

(Total 30 marks)

END OF EXAMINATION