

MANIPAL UNIVERSITY

SECOND SEMESTER B. DES. (ID)/B.A. (ID) DEGREE EXAMINATION – MAY 2017

SUBJECT: BID 110 – BUILDING CONSTRUCTION & MATERIALS II

Saturday, May 06, 2017

Time: 10:00 – 14:00 Hrs.

Max. Marks: 50

- ✍ **Question-1 is compulsory.**
- ✍ **Answer any TWO questions from PART-A.**
- ✍ **Answer any ONE question from PART-B**

1. Design a paneled door for an opening of size 1.2m width, height 2.1m, and lintel level at 2.1m. Use suitable scale. Furnish the following:

- 1A. Detailed Plan
- 1B. Elevation
- 1C. Section

(3+3+6½ = 12½ marks)

PART – A

2. What is staircase? Label the different component of staircase. Classify the staircase based on shape and material.

(2½+4+6 = 12½ marks)

- 3A. Mention the application of ceramics in interiors.
- 3B. What are the different types of window. Explain with sketches any five types.

(5+7½ = 12½ marks)

4. What is timber seasoning? Explain the different types of timber seasoning.

(2½+10 = 12½ marks)

PART – B

- 5A. List down the different types of Glass used in interiors.
- 5B. What are the post processing of glass. Explain any three.

(6+6½ = 12½ marks)

6. **Write short notes on:**

- 6A. Rise and run
- 6B. Clear span
- 6C. Advantages and Disadvantages of flat roof

(3+3+6½ = 12½ marks)

