

MANIPAL UNIVERSITY

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

SUBJECT: BID 204 – BUILDING CONSTRUCTION AND MATERIALS IV

Thursday, May 04, 2017

Time: 14:00 – 18:00 Hrs.

Max. Marks: 50

- ✍ Question number 1 is compulsory.
- ✍ Attempt any THREE out of question number 2, 3, 4, 5 and 6
- ✍ Support your answer with neat sketches.

1. For Unisex Saloon of size 12m × 10m with height of 3m, design the layout of partitions.

Draft the following:

- 1A. Plan with Layout
- 1B. Section of Partition walls
- 1C. A Minimum of 3 partition wall details

(6+5+9 = 20 marks)

2. Design an office desk for a Lawyer

- 2A. Sketch top view, front view, side view and isometric views
- 2B. Sketch exploded view
- 2C. A Minimum of 3 joinery details

(4+3+3 = 10 marks)

3. Detail out plan, elevation and section for 6 seater Dining Table.

(10 marks)

4A. Write short notes on any TWO of Following:

- i) Partition Walls ii) Bamboo as Sustainable material iii) Cork

4B. Explain advantages and disadvantages of Glass Cladding systems.

((2½+2½)+5 = 10 marks)

5A. What do you mean by Sustainability? List few sustainable materials.

5B. Explain advantages, disadvantages and uses of any one sustainable material for interior with neat sketches.

(4+6 = 10 marks)

6A. What do mean by VOC? What are the various in which VOCs are emitted?

6B. Briefly explain different strategies of reducing VOC content in the Interiors?

(4+6 = 10 marks)

