

MANIPAL UNIVERSITY**SEVENTH SEMESTER B. DES. (ID) DEGREE EXAMINATION – NOVEMBER 2017****SUBJECT: BID 405.1 GREEN INTERIORS**

Saturday, November 11, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 50

- ✍ Answer any FIVE questions.
- ✍ Support your answers with sketches wherever necessary.

1. Explain how green interiors can contribute to environmental sustainability and mitigate climate change.
(10 marks)
2. Briefly explain any five green building materials and their applications.
(10 marks)
3. **Explain the following:**
 - 3A. Photovoltaics
 - 3B. Occupancy sensors
 - 3C. Thermal comfort
 - 3D. Indoor environmental quality
(2½ marks × 4 = 10 marks)
4. **Explain the following:**
 - 4A. Life Cycle Cost Analysis
 - 4B. Building Energy Simulation
(5+5 = 10 marks)
5. Explain the green building rating systems and discuss its various categories.
(10 marks)
6. What are the various strategies for interior landscaping? Explain its impact on interior microclimate.
(6+4 = 10 marks)

