

MANIPAL ACADEMY OF HIGHER EDUCATION**FOURTH SEMESTER B. DES (ID)/B. A. (ID) DEGREE EXAMINATION – APRIL 2018****SUBJECT: BID 212 – QUANTITY ESTIMATING AND SPECIFICATION**

Tuesday, April 24, 2018

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

- ✍ Answer any **THREE** questions from 'PART-A'
- ✍ 'PART-B' is compulsory.

PART – A

1. Design a wood and glass partition of size 3.0m × 2.1m (ht). Specify the components of the partition.
(5+5 = 10 marks)
2. What is the process of tendering as a tenderer? Explain the steps in detail.
(3+7 = 10 marks)
3. What is labour contract? What is material contract? Differentiate between them.
(2+2+6 = 10 marks)
4. What is estimating? What is the data required to prepare an estimate? Elaborate on them.
(10 marks)

PART – B

5. Design a dining space with a four seater table and a crockery unit. Consider the room dimensions to be – 2.5m × 3.0m.
- 5A. **Write the specification for:**
 - i) Flooring (Vitrified Tiles)
 - ii) Gypsum and Plywood False Ceiling
- 5B. **Write a detailed estimate for:**
 - i) Dining Table
 - ii) Dining Chair
 - iii) Crockery Unit

(4 marks × 5 = 20 marks)

