

MANIPAL UNIVERSITY

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

SUBJECT: BID 212 – QUANTITY ESTIMATING AND SPECIFICATION

(2014 SCHEME)

Saturday, May 06, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 50

✍ **Answer any FIVE of the following.**

✍ **Illustrate with neat sketches and examples wherever required.**

1. Describe briefly the objectives and importance of specification writing for interior projects. State the important aspects to be considered in the design of specifications.

(5+5 = 10 marks)

2. Define Estimate. Explain various types of estimate each with its use and data required to work out the estimate.

(2+8 = 10 marks)

3. State the unit of measurements as per IS 1200:

- | | | |
|----------------------------------|--------------------------|------------------|
| i) Sintex o.h.t | ii) t.w.door frames | iii) Iron grills |
| iv) Rain water pipe /plain pipe | v) Glass panels (supply) | vi) Distempering |
| vii) Fixing of glass panels | viii) Aluminium skirting | |
| ix) Modular partition for toilet | x) Pelmet for blinds | |

(1 mark × 10 = 10 marks)

4. **Write short notes for the following:**

- 4A. Bill of quantities
4B. Types of tender
4C. Detailed specification
4D. Abstract estimate

(2½ marks × 4 = 10 marks)

5. **Differentiate between:**

- 5A. Item rate tender and labour tender
5B. Cost plus percentage tender and cost plus fixed fee tender

(5+5 = 10 marks)

6. Specify materials and workmanship standards for the following works giving reasons for your choice:

- 6A. Entrance door for hospital
6B. Flooring for school classroom for nursery kids
6C. Handrail for internal staircase in residence
6D. Bathroom flooring in a college toilet

(2½ marks × 4 = 10 marks)

