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1905E693

Gujarat University

Master of Valuation. Semester II

Building Construction

May. 2017

Time: 3 Hours]

Max. Marks: 70

1. A) Enlist the uses of following stones (a) Granite, (b) Trap or Basalt, (c) Sand stone, (d) Lime stone, (e) Marble, (f) Laterite, (g) Slate and (h) Gneiss. 7

OR

Write a short note on Schedule of Rates.

- B) Write a short note on Ferrous Metals. 7

OR

Write a short note on Shallow and Deep Foundations

2. A) Explain in brief Load bearing structure and Framed structure. 7

OR

Write a short note on Importance of Rate Analysis.

- B) Write a short note on Types of Glass. 7

OR

Write a short note on Purpose of Plastering and Requirements of good plastering.

3. A) Draw ground floor plan, front elevation and one section of a security room to be constructed on load bearing walls, having inside clear dimensions of 3050 x 3050 x 2730 mm. assume 230 thick brick walls and 115 thick r.c.c. slab, one door of 915 x 2130 mm, and two windows of 1215x1215 mm in two opposite walls having sill +915mm and lintel +2130mm. Use scale 1:50 to draw. Assume suitable data where necessary. 7

OR

Explain with the help of neat sketches following joints used in water supply lines :

- a) Nipple, b) Union c) Bend, d) Elbow, f) Reducer, and g) Tee.

- B) Write a short note on Pointing. 7

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OR

Mention method and mode of Measurements of : (a) Drainage Lines, (b) Plaster work, (c) Paint work, (d) Doors & Windows, (e) Roof Covering, (f) Steel (g) Railing

4. A) Explain with the help of neat sketches different types of bricks used in construction. 7

OR

Write a short note of fly ash bricks and Burnt bricks.

- B) With the help of neat sketches, show different types of doors and windows and mention their members of construction. 7

OR

Write a short note on grades of concrete and their uses.

5. Answer the following Short questions: (Any Seven) 14
- 1) Define different terms used in pitched roof (any four).
 - 2) Enlist different types of doors & windows (any four).
 - 3) Enlist different Bonds in Brick work (any four).
 - 4) Enlist different types of masonry in Stone (any four).
 - 5) Enlist different Types of Paints (any four).
 - 6) Enlist properties of Glass (any four).
 - 7) Sketch the format of Measurement Sheet and Abstract.
 - 8) Write full forms of 1. B.O.Q., 2. R.A.
 - 9) Which are Colours used for insulation in wiring ?
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