

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE
End Semester Examination – Winter 2018

Course: B. Tech

Subject Name: Basic Civil Engineering

Max Marks:60

Date: 12/12/2018

Semester: I/II

Subject Code: CV105/ CV205

Duration: 3 Hr.

Instructions to the Students:

1. Solve ANY FIVE questions out of the following.
2. The level question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.
3. Illustrate your answers with neat sketches, diagrams etc. where ever necessary.
4. Assume suitable data wherever necessary and mention it clearly.

Q. 1 Solve any two:

(6x2)

- a) Write the uses of stones in civil engineering construction work.
- b) What are the properties of good timber?
- c) List any twelve types of cement used for various construction works.

Q. 2 a) What are the functions of doors and windows?

(6)

b) What are the functional requirements of flooring material?

(6)

Q. 3 a) What are the required aspects for various parts of the building in the northern hemisphere of earth?

(4)

b) Enlist the different elements of a building.

(4)

c) What are the main functions of walls and columns?

(4)

Q. 4 Solve any two:

(6x2)

- a) What are the fundamental principles of surveying?
- b) Draw a neat sketch of telescopic leveling staff.
- c) Define: Contour, Reduced Level, Change Point, and Bench Mark.

Q. 5 a) Draw neat sketches for the following road signs: No parking, Speed Limit 30 kmph, and Overtaking prohibited.

(6)

b) Explain in brief the classification or types of roads based on location and function in India.

(6)

Q. 6 a) What are the physical characteristics of drinking water?

(6)

b) Write a short note on rain water harvesting.

(6)

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