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DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – Oct 2018

Course: B. Tech in Civil Engineering

Sem: III

Subject Name: Building Construction

Subject Code: CV305

Max Marks: 20

Date: -12/10/18

Duration: - 1 Hr.

Instructions to the Students:

1. Illustrate your answers with neat sketches, diagrams etc. where ever necessary.
2. Necessary data is given in the respective questions. If such data is not given, it means that the knowledge of that data is a part of the examination.
3. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly

Marks
6

Q. 1 Select appropriate answer for the given multiple choice questions.

1. M10 grade of concrete approximates

- a) 1 : 3 : 6 mix b) 1 : 1 : 2 mix c) 1 : 2 : 4 mix d) 1 : 1.5 : 3 mix

2. Separation of coarse aggregates from mortar during transportation, is known

- a) Bleeding b) Creeping c) Segregation d) Shrinkage

3. Gypsum is added for

- a) colour b) strength c) controlling setting time d) none of these.

4. _____ is the clear vertical distance between the highest point on the intrados and springing line.

- a) Span b) Rise c) Arcade d) Center

5. Ashlar masonry uses:

- a) Dimension stones b) Polygonal stones c) Quarry dressed stones d) Rough stones

6. At present, the lintels of _____ are widely used to span the openings for doors, Windows, etc. in a structure.

- a) Timber b) Wood c) RCC d) Cement

3 X 2

Q.2 Solve Any Two of the following.

- (A) Write a short note on chemical admixture
(B) Define the following terms
Header, Stretcher, Bond, Quoin, Closer, Through stone, Face, Back
(C) Classify various types of lintels and explain any one detail

Q.3 Solve Any One of the following.

- (A) Draw a neat sketch of an arch and explain all technical terms of arch
(B) Differentiate and compare English bond, Flemish bond and Double Flemish bond with sketch

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*** End ***