

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE – RAIGAD – 402 103
Winter Semester Examination – December – 2019

Branch: B. Arch. (First year Architecture)
Subject: Building Construction Technology & Materials-II (AR1020003)
Date: 05/12 /2019

Semester: II
Marks: 50
Time: 3 Hrs.

- Instructions:** 1] All Questions are compulsory
2] Figures / structures to the right indicate full marks.
3] Assume suitable data, if necessary.
4] Neat diagrams must be drawn wherever necessary.

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Q.No 1 Solve any TWO of the following. (10)

- Describe any two types of glass with properties.
- Explain Aluminum as a building material with its advantages.
- What are ingredients of different types of concrete?
- What is water cement ratio?

Q.No 2.Solve any TWO of the Following. (10)

- Explain the mixing process of Concrete.
- What are the advantages of using steel in construction?
- Explain the methods of curing of concrete.
- Write short note on mild steel.

Q.No.3 Attempt any TWO of the following. (15)

- Differentiate between PVC and u-PVC
- What is initial and final strength of Concrete?
- Write down any four materials used for wall cladding.

Q.No.4 Draw neat sketches of any ONE of the following. (15)

- Draw neat sketches of a Drywall using metal stud and gypsum sheets.
- Draw neat section with proper nomenclatures of external load bearing one and half brick thk wall from Foundation to Parapet wall.

Paper End