

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to JNTUA, Ananthapuramu)

I B.Tech II Semester (SVEC-16) Regular/Supplementary Examinations May - 2019
BUILDING MATERIALS AND CONSTRUCTION TECHNOLOGY
[Civil Engineering]

Time: 3 hours

Max. Marks: 70

Answer One Question from each Unit.
All questions carry equal marks.**UNIT-I**

- 1 Discuss about the classification of bricks in all aspects. 14 Marks
- (OR)
- 2 a) Explain about the ingredients of good brick earth. 7 Marks
- b) Discuss about the qualities of a good brick. 7 Marks

UNIT-II

- 3 Explain about the manufacturing process of cement. 14 Marks
- (OR)
- 4 a) Explain about the composition of cement clinker. 7 Marks
- b) Explain about hydration of cement. 7 Marks

UNIT-III

- 5 a) Write short notes about properties and uses of copper. 7 Marks
- b) Discuss about the alloys of copper. 7 Marks
- (OR)
- 6 a) Explain about the constituents of glass. 7 Marks
- b) Write short notes about commercial forms of glass. 7 Marks

UNIT-IV

- 7 Explain about the English and Flemish bond with the help of neat sketches. 14 Marks
- (OR)
- 8 Explain about the types of cavity and partition walls. 14 Marks

UNIT-V

- 9 a) Write about the characteristics of fire resisting materials. 7 Marks
- b) Explain about the fire resisting properties of building materials. 7 Marks
- (OR)
- 10 a) Write short notes on objects of plastering and requirements of good plaster. 7 Marks
- b) Discuss about the types of mortars for plastering. 7 Marks

