

**B.TECH SEM - III (2007 COURSE) (CIVIL ENGG.) : SUMMER -
2018**

SUBJECT : BUILDING CONSTRUCTION PRACTICES

Day : **Monday**
Date : **21/05/2018**

S-2018-2562

Time : **02.30 PM TO 05.30 PM**
Max. Marks : 80

N.B.:

- 1) **Q.No.1 and Q.No.5 are COMPULSORY.** Out of the remaining attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.
- 4) Figures to the right indicate **FULL** marks.
- 5) Assume suitable data if necessary.

SECTION – I

- Q.1** a) Explain the 'Building Components' with neat and labelled sketch. [05]
b) What are the characteristics of good building stones? [05]
c) Enlist the types of arches and explain any one with neat sketch. [04]
- Q.2** a) Explain 'Raft foundation' with neat and labelled sketch. [05]
b) Differentiate between RCC structure and load bearing structure. [04]
c) Explain 'Earthquake resistant foundations'. [04]
- Q.3** a) What is composite masonry? [05]
b) Explain size and quality of bricks. [04]
c) Explain the function cavity walls. [04]
- Q.4** a) What are the factors affecting selection of flooring material? [05]
b) Explain the various terms used for arches with neat sketch. [04]
c) What is 'precast flooring'? [04]

SECTION – II

- Q.5** a) What are the different types of false ceiling materials available in market? [05]
b) What are the different types of fixtures and fastenings used in doors? [04]
c) What are the various methods of water proofing? [04]
- Q.6** a) What are the different types of shell structures? [05]
b) What are the factors affecting the selection of roof covering material? [04]
c) What are the advantages and disadvantages of steel trusses? [04]
- Q.7** a) What are the different types of staircase? Explain any one with neat sketch. [05]
b) Explain 'Design and Construction of ramps'. [04]
c) Draw neat and labelled sketch of 'Sash Window'. [04]
- Q.8** a) Explain the various materials used for building finishes. [05]
b) What are the types of paints? [04]
c) Explain 'Pointing'. [04]