

**B.TECH. SEM -II CIVIL 2014 COURSE (CBCS) : SUMMER -
2018**

SUBJECT : BUILDING CONSTRUCTION

Day : **Monday**
Date : **11/06/2018**

S-2018-2219

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Use of non-programmable calculator is allowed.
- 4) Assume suitable data if necessary.

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- Q.1** a) Describe combined footing with neat sketch. (05)
b) Differentiate between stone masonry and brick masonry. (any five) (05)
- OR**
- Q.1** a) Draw and describe one brick thick Flemish bond. (05)
b) What are the basic requirement of building? (05)
- Q.2** Draw the plan, elevation and section of casement wooden window of size 1.5m x 1.2 m. Show all necessary details. (10)
- OR**
- Q.2** Draw a typical plan and sectional elevation of Dog legged staircase and describe technical terms used in it. (10)
- Q.3** a) Explain the method of construction of Arches. (06)
b) Draw a typical RCC lintel with chajja. (04)
- OR**
- Q.3** What are the various factors (min 10) affecting the selection of flooring material? (10)
- Q.4** a) Draw a typical King Post Roof truss and describe it. (05)
b) Describe a water-proofing of flat roof in Hot and Humid region. (05)
- OR**
- Q.4** a) What are advantages and disadvantages of flat roof? (05)
b) What are the factors affecting selection of roof? (05)
- Q.5** a) What are the objectives of plasters? (05)
b) Describe the ingredients of paints. (05)
- OR**
- Q.5** a) Describe the process of one coat and two coat cement plaster on a brick masonry surface. (06)
b) What are characteristics of ideal paint? (04)
- Q.6** a) Differentiate between wooden and steel form work. (05)
b) Describe the formwork for beam and slab with neat sketch. (05)
- OR**
- Q.6** a) Describe various components of scaffolding with neat sketch. (05)
b) What are advantages and disadvantages of precast concrete? (05)

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