

B.Tech. SEM -II Civil 2014 Course (CBCS) : WINTER - 2018

SUBJECT : BUILDING CONSTRUCTION

Day : Saturday

W-2018-2275

Time : 10.00 AM TO 01.00 PM

Date : 17/11/2018

Max. Marks : 60

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.
- 4) Assume suitable data, if necessary.

Q. 1 a) List the various building components. **(05)**

b) Explain 'Solid block Masonry'. **(05)**

OR

a) What is the necessity of building foundation? **(05)**

b) Describe 'Composite Masonry'. **(05)**

Q. 2 Give the detail classification of various types of doors. **(10)**

OR

Give the detail classification of various types of stairs. **(10)**

Q. 3 Explain 'Semi Circular Arch' with neat and labeled diagram. **(10)**

OR

What are the types of flooring? State the factors affecting selection of flooring. **(10)**

Q. 4 What is water proofing? Explain the various methods of water proofing of roofs. **(10)**

OR

Describe in detail the criteria for selection of roof covering material. **(10)**

Q. 5 a) What are the defects in plastering? **(05)**

b) Describe 'Plastic emulsion'. **(05)**

OR

a) Explain 'Wall cladding'. **(05)**

b) What are the methods of pointing? **(05)**

Q. 6 a) What is necessity of 'Formwork'? **(05)**

b) Describe 'Nanoconcrete'. **(05)**

OR

a) What do you understand by Green construction materials? **(05)**

b) Explain 'Per cast Concrete'. **(05)**

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