



3rd Sem./ Civil Engg./ 2021(W)
Th3 Building Material & Construction Technology

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1 & 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. What is the function of alumina and silica in brick earth?
 - b. Define water cement ratio.
 - c. What is seasoning of timber?
 - d. What is the role of solvent in paint?
 - e. Differentiate between shallow foundation and deep foundation.
 - f. What do you mean by king closer in brick masonry?
 - g. What do you mean by throating in stone masonry.
 - h. Name different tests used to measure workability of concrete.
 - i. Differentiate landing from flight.
 - j. What is D.P.C and why it is provided.

2. Answer **Any Six** Questions 5X6
 - a. What do you mean by workability of concrete? Describe the importance of workability on the strength of concrete.
 - b. What are the characteristics of a good Timber?
 - c. Describe the purpose of use of Arch and lintel in a building.
 - d. Explain the characteristics of good building stone.
 - e. Classify pile foundation and write briefly.
 - f. State the functions of constituent parts of paints.
 - g. Why curing is necessary in cement concrete work?

3. Classify stair depending on the method of construction. 10
4. Explain different operations involved in the brick manufacturing process. 10
5. Name various types of Doors. Described about any two types of doors with neat sketch. 10
6. Explain different methods of damp proofing treatment. 10
7. Classify building depending on the occupants. 10