



B.Tech III Semester Supplementary Examinations, July 2022

Building Materials, Construction & Planning
(Civil Department)

Maximum Marks: 70

Date: 21.07.2022 Duration: 3 hours

- Note:**
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Write the precautions to be taken on the blasting process.
- 2 Define the term quarrying and dressing.
- 3 List out the various types of admixtures.
- 4 Write short notes on consistency test for cement.
- 5 Give the various failures of an Arches .
- 6 Write short notes on screw pile.
- 7 What are the requirements of the good form work.
- 8 Differentiate between plastering and pointing
- 9 Classify the various types of buildings.
- 10 What do you understand by development control rules?

Part-B

Answer All the following questions.

(10M X 5=50Marks)

- 11 a) Define the seasoning of timber and explain any one method of seasoning. 5M
b) State the properties, uses and simple classification of glass. 5M
OR
- 12 a) What are various types of paints? State the functions of each of them? 5M
b) What is glazing and how is it done? 5M
- 13 Describe with flow diagrams the dry and wet process of manufacture of cement? 10M
OR
- 14 a) Describe the action of super plasticisers. Give examples of its use. 5M
b) What are the composition of cement explain? 5M
- 15 Elaborate various types of foundations used for buildings with neat sketches. 10M
OR
- 16 a) What is damp proof course. Why they are provided in building? 5M
b) Mention different types of arches? 5M

- 17 With neat sketches explain the form work for beam and slab floor? 10M
OR
- 18 Draw the typical drainage system in a two storey building? 10M
- 19 What are building bye laws? Explain the importance of building bye laws. 10M
OR
- 20 a) Explain briefly various types material used in plastering? 5M
b) Explain briefly water requirements for buildings? 5M