

<b>R09</b>
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Code: 9A01305

II B. Tech I Semester (R09) Supplementary Examinations, May 2012

**BUILDING MATERIALS & CONSTRUCTION**

(Civil Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 Describe the characteristics of good building stones.
- 2
  - (a) Explain what is meant by the terms ceramics and clay.
  - (b) What are the characteristics of a good tile?
- 3 How the tensile strength of cement is determined in laboratory?
- 4
  - (a) What is meant by decay of timber? What are its causes?
  - (b) What are the objects of preservation of timber? State the requirement of a good preservative.
- 5
  - (a) Describe the different forms of rubble masonry.
  - (b) Describe various types of joints which are employed to secure the stones with each other.
- 6 Explain various types of foundations used for building with neat sketches.
- 7
  - (a) What is a step? Mention its different types.
  - (b) What are moving stairs? Discuss them in detail.
- 8
  - (a) Explain various causes of dampness in buildings.
  - (b) What are ill effects of dampness in buildings?

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