

II B.Tech I Semester Supplementary Examinations, November 2005
CIVIL ENGINEERING MATERIALS & CONSTRUCTION
(Civil Engineering)

Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. (a) With the help of neat sketches illustrate the difference between “strap footing” and “mat foundations”.
(b) What is the purpose of providing “bonds” in brick work. With the help of neat sketches illustrate “English bond”. [8+8]
2. (a) What is a “damp-proof course”? What are the important causes of dampening?
(b) With the help of neat sketches explain any TWO methods to prevent dampness. [6+10]
3. (a) Give detailed specifications for longing of “madras terrace”.
(b) Illustrate the various components of a lean - to - roof with a neat sketch. [8+8]
4. (a) What is the difference between “paint” and “varnish”
(b) Name the constituents of a paint.
(c) What are the different types of paints.
(d) What are the characteristics of a good paint. Explain. [4+4+4+4]
5. (a) How are stones classified? Illustrate the important types giving their usage in construction activity.
(b) Give the composition of good brick earth. [10+6]
6. (a) What are the characteristics of a good tile?
(b) Illustrate the different types of tiles specifying their use. [6+10]
7. (a) What do you understand by seasoning of timber? How is it done?
(b) Give the classification of various types of wood used in building. [8+8]
8. Write short notes on any THREE of the following:-
 - (a) Tests on concrete
 - (b) Various types of cements
 - (c) Manufacture of bricks
 - (d) Scaffolding [4x4=16]
