

II B.Tech I Semester(R05) Supplementary Examinations, May/June 2010
BUILDING MATERIALS AND CONSTRUCTION
(Civil Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) What are the tools for blasting and explain them along with neat sketches.
(b) What does dressing of a stone mean? Describe how dressing is carried out for Rubble and Ashlar masonry.
[8+8]
2. (a) What are the characteristics of a good tile.
(b) Describe the advantages of floor tiles and roof tiles.
[8+8]
3. (a) Describe the chemical composition of cement.
(b) What are the good characteristics of aggregate used in cement concrete?
[8+8]
4. (a) Draw a neat cross-section of an exogenous tree and show various components of it and explain.
(b) Distinguish between mild steel and hard steel.
[10+6]
5. (a) Under what conditions a combined footing is preferred.
(b) Sketch a typical combined footing and explain the principle involved in its design.
(c) How is an isolated foundation with eccentric loading is designed.
[4+8+4]
6. Enumerate the various classes of rubble masonry. What are the important points to be kept in view while carrying out rubble masonry work.
[16]
7. Explain the following with the help of neat sketches:-
[8+8]
(a) Queen post truss.
(b) Madras terrace roofs.
8. Describe the procedure of carrying out plastering in cement mortar on new and old wall separately?
[16]
