

ANNA UNIVERSITY COIMBATORE

B.E. / B.TECH. DEGREE EXAMINATIONS MAY – JUNE 2009

REGULATIONS - 2008

II SEMESTER

(Common for All branches under Electrical and I & C Faculty)

080510002 - BASIC CIVIL & MECHANICAL ENGINEERING

TIME : 3 Hours

Max.Marks : 50+50

NB:

1. Separate Answer Scripts will be provided for Basic Civil Engineering & Basic Mechanical Engineering
2. Question numbers 11 to 20 are intentionally left blank. Part B in both the sections will start from Question number 21.

BASIC CIVIL ENGINEERING

PART – A

(10 x 2 = 20 MARKS)

ANSWER ALL QUESTIONS

1. List the four operations involved in the manufacturing of a brick.
2. What is the difference between a plan and a map?
3. State the principles of surveying.
4. What is quarrying & dressing of stones?
5. Differentiate between shallow foundation and deep foundation.
6. Compare stone masonry and Brick masonry.
7. Comment on column and Lintel.
8. State the purpose of plastering.
9. Classify the types of column based on its conditions.
10. List the basic components of a bridge.



PART – B

(3 x 10 = 30 MARKS)

ANSWER ANY THREE QUESTIONS

21. a) Explain with neat sketch prismatic compass surveying. 6
b) List the different types of leveling. 4
22. a) What are the types of Foundations? Describe the various requirements of good foundations. 6
b) List any eight steel sections available in the market. 4
23. a) Draw a neat sketch of a reinforced cement concrete column and explain. 6
b) Write short notes on: a) Course b) Perpend 4
24. a) Draw the following bridges and name their parts 10
i) Reinforced concrete slab culvert
ii) Prestressed concrete bridge
25. a) What is the objective of plastering? List and comment any five defects in plastering. 10

*****END of Basic Civil Engineering*****

PTO