

Reg. No. \_\_\_\_\_

# Karunya University

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

## End Semester Examination – May / June 2009

**Subject Title: BASIC CIVIL ENGINEERING**

**Time : 3 hours**

**Subject Code: CE102 / DCE101**

**Maximum Marks: 100**

### Answer ALL questions

#### PART – A (10 x 1 = 10 MARKS)

1. What is seasoning of timber?
2. What is the main purpose of surveying?
3. What is a lintel?
4. What are the various types of roofs?
5. Define 'Sewage' and 'Sewer'.
6. What are the methods of disinfection?
7. What do you understand by 'Super Elevation'?
8. Define 'Gauge' of the railway track.
9. What are the types of harbour ?
10. What are the types of 'Rigid Dams' ?

#### PART – B (5 x 3 = 15 MARKS)

11. What are the grades of concrete and its uses?
12. What are the objectives of valuation?
13. Mention the working principles of oxidation pond.
14. Draw the neat sketch of a 'permanent way' and mark the components.
15. How will you select the site for constructing a dam?

#### PART – C (5 x 15 = 75 MARKS)

16. Write down the classification of Surveying and explain.  
(OR)
17. Bring out the characteristics and uses of building stones.
18. With the neat sketch, explain the various major components of the building.  
(OR)
19. What is mean by shallow foundation? With the neat sketches explain its types.
20. How rapid sand filter works? Explain with a neat sketch.  
(OR)
21. Draw the layout and explain the functioning of sewage treatment plant.
22. Explain the components of a bridge with a neat sketch.
23. Explain the construction of water bound macadam road and cement concrete road with neat sketches.
24. Draw the layout of an airport and give a brief note on components.  
(OR)
25. Draw the layout of harbour and explain the components briefly.