

B.E DEGREE EXAMINATIONS: DEC 2014

(Regulation 2013)

Third Semester

CIVIL ENGINEERING

U13CET304: Building Construction

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. The foundation suitable for black cotton soil is
 - a) Grillage foundation
 - b) Under reamed pile foundation
 - c) Pile foundation
 - d) Deep foundation
2. The standard size of a table moulded brick is _____
3. Madras terrace roof is a type of
 - a) Flat roof
 - b) Tiled roof
 - c) Sloped roof
 - d) Flooring
4. DPC means _____
5. Scaffolding used for repairing at heights
 - a) Single scaffolding
 - b) Suspended scaffolding
 - c) Cantilever scaffolding
 - d) Double scaffolding
6. process of strengthening the foundation of an existing building is known as _____
7. For accurate centre line marking one can use
 - a) Plane table
 - b) Theodolite
 - c) Compass
 - d) chain
8. Construction joints are usually produced in the _____ direction of a slab.
9. Front end loaders are used for
 - a) Dredging
 - b) Material transportation
 - c) Tunelling
 - d) Earthwork operations
10. Vibrators are used for the _____ of concrete.

PART B (10 x 2 = 20 Marks)

(Not more than 40 words)

11. Differentiate shallow and deep foundation.
12. List out the types of bonds in brickwork.
13. Name any four damp proofing materials available in the market.
14. Mention the importance of drainage in flat roofs.
15. Define scaffolding.
16. State the requirements of a good formwork.
17. Write the types of construction joints.
18. List any four acoustic materials used in buildings.
19. Differentiate between wheel type and crawler type tractors.
20. What is meant by dredging?

PART C (5 x 14 = 70 Marks)

(Not more than 400 words)

Q.No. 21 is Compulsory

21. With neat sketches explain the various types of shoring.

22. a) Explain the factors influencing the selection of foundations.

(OR)

- b) With sketches explain the types of bonds adopted in stone masonry construction.

23. a) Describe the various methods of preventing dampness.

(OR)

- b) List and explain the types of roof covering materials.

24. a) Enumerate the sequence of activities carried out at the site for constructing a public building.

(OR)

- b) Discuss the fire preventive measures to be followed in buildings.

25. a) List and explain the types of pile hammers.

(OR)

b) Describe the factors to be considered in the selection of suitable material handling devices.
