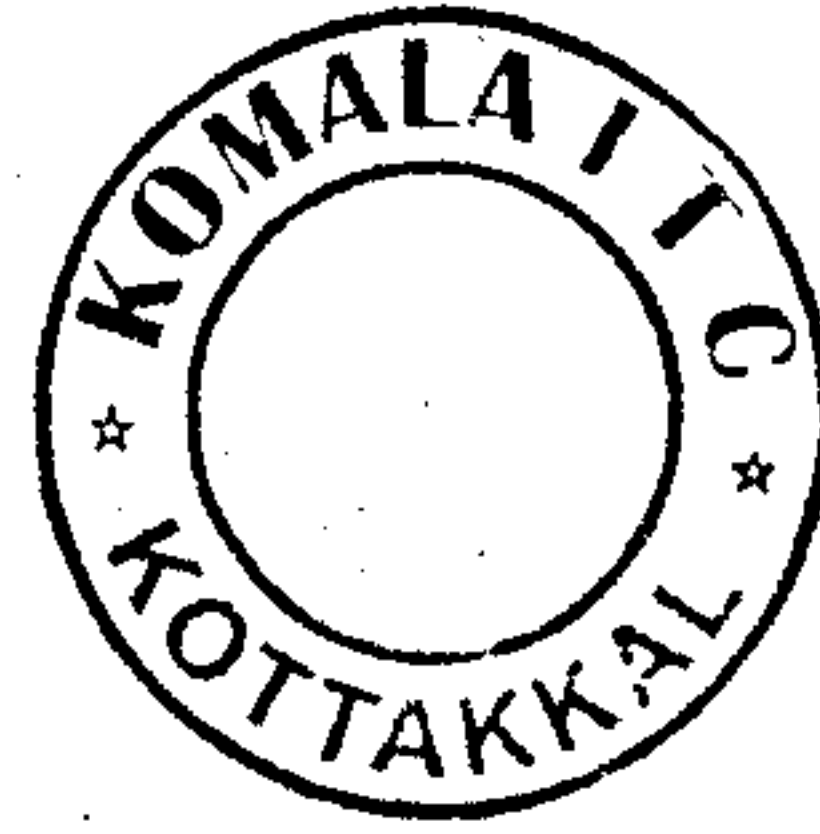


09/B/C



2

DRAUGHTSMAN (CIVIL)

(Theory)

Time : 3 Hours

Marks : 100

NOTE : Attempt any FIVE questions. All questions carry EQUAL marks.

1. (a) What are the Engineering characteristics of a good building stone ? Discuss.
(b) What are the characteristics of good timber ? What is the object of seasoning the timber ?
2. (a) What is bearing capacity of soils ? Describe the various methods of improving the bearing capacity of soils.
(b) Enumerate the various classes of rubble masonry.
3. (a) What are the requirements of a stair case in residential and public buildings ?
(b) Explain how do you classify the doors and windows from view point of their operational movements.
4. (a) What are the advantages of using Asbestos-cement sheets as a roof covering for pitched roof ?
(b) What is the principle of chain surveying ? What are the instruments used for chain surveying ?
5. (a) Explain briefly the different types of roads.
(b) Differentiate between culverts and bridges.
6. (a) What are the essential ingredients of a plain cement concrete ? Describe the function of each in the cement concrete.
(b) What do you understand by slump test ?
7. Write explanatory note on :
 - (a) Types of Estimate
 - (b) Gravity Dam
 - (c) Manufacture of bricks
 - (d) Types of sleeper in the railway track