

CENTRAL

Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice. Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be t

(20 Marks)

17CV/CT44

- B Design the concrete mix for M20 grade concrete with following data: Characteristic compressive strength at 28 days = 20 MPa. Maximum size of aggregate = 20 mm Workability = Slump (100 mm) Degree of quality control = Good Type of exposure = Mild Specific gravity of cement = 3.15 Specific gravity of coarse aggregate = 2.60 Specific gravity of fine aggregate = 2.60 Sand conforming to zone 2. Assume any other data suitably.
- 9 a. Explain various types of fibers used in concrete with their properties.(1)b. Explain application of fibre reinforced concrete and light weight concrete.(1)
- **10** a. Write a note on RMC.
 - b. Explain the materials used for manufacture of SCC

(20 Marks)

(10 Marks) (10 Marks)

(10 Marks)

(10 Marks)