

Time: 3 hours

(Total Marks 80)

- Instructions:**
1. Question No. 1 is compulsory.
 2. Attempt any three out of remaining questions.
 3. Assume any suitable data, wherever required and state the same.

Q. No. 1) Attempt **any four** of the following.

(20M)

- a) Explain the properties of materials used for building construction
- b) Explain with neat sketch "Reticulated Finish".
- c) State the engineering properties of ceramics with its uses.
- d) State the properties of mortar.
- e) Demerits of distemper as compared to paints.
- f) Write a note on "false ceiling"

Q. No. 2)

- a) Explain the preservative treatments for stones.

(5M)

- b) Explain the manufacturing process of hollow concrete block.

(5M)

- c) Explain various tests carried on lime.

(10M)

Q. No. 3)

- a) Sketch for providing damp proof courses in foundation of Plinth stating materials used for damp proofing.

(6M)

- b) Write a short note on grade of concrete.

(4M)

- c) Explain various operations involved during concreting.

(10M)

Q. No. 4)

- a) States the types of glass and its Applications.

(5M)

- b) Explain with neat sketches defects in timber.

(10M)

- c) Write a short note Trial mixes in mix design.

(5M)

Q. No. 5)

- a) Sketch elevation and section of uncaused Random Rubble masonry Showing through stone.

(6M)

- b) Write a short note on "Gypsum as an interior material".

(4M)

- c) Explain with neat sketch form work for slab.

(5M)

- d) Write a short note on slip formwork.

(5M)

Q. No. 6)

- a) Explain Terrazzo flooring.

(5M)

- b) Explain requirements of a good roof covering.

(5M)

- c) Explain with neat sketch "lean to roof".

(10M)
