	Total Marks : 8 0
[Min. Pas	Total Marks : 80
Instructions to Candidates :	sing Marks: 24
unit. All questions carry equal marks. Schematic de be shown wherever necessary. Any data you feel mis be assumed and stated clearly. Units of quantities us must be stated clearly. Jse of following supporting material is permitted during examinations.	ssing suitably sed/calculated
Mentioned in form No. 205)	
	Nil
UNIT – I	
(a) Discuss three important types of rocks and the	eir formation.
(b) Discuss the selection criteria and uses of any building stones.	two common
	8
OR OR	and a
(a) Describe the tests performed to check the qual	lify of bricks.
(b) Describe the following tests on bricks.	8
(i) Water absorption. (ii) compressive strength.	
(ii) compressive strength.	o

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(b) What is rapid hardening cement? What is reponsible for its high early strength? How does it differ from ordinary portland cement. OR Describe briefly how lime is manufactured. Distinguish between (a) quick, fat and hydraulic lime. What is mortar? Briefly describe lime and cement mortar. (b) State the function of sand in mortar. 8 UNIT - III Discuss the principle causes of decay of timber. (a) 8 How is seasoning done of a large scale? 8 OR How are plastics classified? State the role of plastic as a (a) building materials. (b) What are the various ingredients of paints? State the function of each of them. UNIT - IV Classify buildings as per type of construction. Describe each (a) type in brief. State the various functional requirement that it must satisfy **(b)** in its design and construction. OR State different types of shallow foundations. Show by sketches (a) of each. What is bearing capacity of soil? How depth of footing is (b) decided? [Contd...

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UNIT - V

Name various types of stone masonary. Describe in brief the ashlar fine masonary.

Name the different bonds used in brick masonary. Show by **(b)** sketches any two. 8

OR

What are the objectives of plastering? Name various types (a) 5 of plasters used. Discuss the characteristics of good plaster.

Describe different types of painting by means of neat sketches. **(b)**

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