BACHELOR OF ARCHITECTURE EXAMINATION, 2019 (B. Arch. 2nd year 2nd Semester)

SUBJECT: ARCHITECTURAL CONSTRUCTION- II

Time: T	hree hours	Full Marks: 10	00
Instruction	ons: Answer for 100 marks. Use sketches wherever necessary	·	
	With relevant sketches wherever necessary, describe the causes, symptoms and a dampness in a building. Draw the different measures for protection of plinth of a Using construction details, describe how 'Plinth Protection' can be ensured using concrete slab alongside a building and a storm water drain at its edge.	building. g a peripheral	25
1	Describe the different types of plastering used in building works. Describe in det construction works of plain plastering in buildings are undertaken. Describe the plastering for ceiling, external and internal walls.	ail how hicknesses of	
•	Using a couple of sketches, describe where the decorative mouldings were used a Architecture. Draw and name the various Decorative mouldings that are used in	n classical Architecture	25
J	Describe the reasons why the roofs of buildings should be treated. With suitable Lime concreting and terracing as a roof treatment detail. Also describe any one treatment detail which is much in practice in contemporary building construction	vne of roof	ibe
04. 5	Showing plans and elevations name the various types of Doors. Show details of of a 'timber panelled door' and any one other type of door for use in buildings.		25
a	Describe the process of surface preparation for plastering work to be undertaken. now plastering work is undertaken on a wall. Mention the different types of plast are usually adopted in a building. Describe how the works of 'Anti-Termite Treamer undertaken for construction of a building.	ering that tment' should	25
C	Using suitable sketches, describe different types of Windows. Draw details of coone of the following: a) Casement Windows, (b) Sliding Windows and (c) Vertically sliding Windows	n *	ıy 25
07. L	Using suitable sketches, describe various kinds of Staircases. Show components a letails of various parts of a typical staircase. Also show details of any one of the	and construction	
(i) (i)	 Typical arrangement of reinforcements in a concrete staircase slab and its lar Typical details of construction of staircase of an old building using Rolled St burnt clay tiles at the waist slabs and landings. 	eel sections and	d 25
08. W	Vrite short notes on (any five):	(5X5)=2	25
(i) (ii) (iii) (iv) (v)	Parapet and railings using glass and stainless steel Winders in a staircase Efflorescence and Salt Petre action Balustrade Reinforcement arrangement for a window chhaja		
(vi) (vii) (viii) (ix)	Ingredients and their quantities (per cu.m. of concrete) in 1:1.5:3 concrete Jamb Hinged cleat and Buffer Block Paver Blocks		
(x)	Transome and Mullians		