

BACHELOR OF ARCHITECTURE EXAMINATION, 20172nd year, 1st semester**ARCHITECTURAL CONSTRUCTION- I**

(Name in full)

PAPER.....

Time : ~~Two hours~~ / Three hours / ~~Four hours~~ / ~~Six hours~~Full Marks: ~~30~~ / 100
15 / 50 marks for each part~~Use a separate Answer Script for each part~~

Question Serial no.	Question	Marks
	Instruction: Answer for 100 marks	
01.	With the help of suitable labeled sketches, describe the sequence and technique of construction of a two storeyed building with load bearing construction. Show the details of a typical RCC footing of 1500 X 1200 base size.	25
02.	What are the various foundation types that are usually used for construction of buildings? With the help of suitable sketches, describe any four of such foundations.	25
03.	Using suitable sketches, describe various kinds of flooring over concrete surfaces and timber flooring over timber framing. Describe how vitrified tiled flooring is made over concrete surfaces	
	Writing the description of the item of work, explain how Terrazzo flooring is done over concrete surfaces.	25
04.	Describe the process of Hydration of Cement. Describe 'creep of concrete'. Mention the various types and roles of admixtures in concrete construction. Mention the quantitative requirement of ingredients for 250 mm thick brick works and 1:2:4 & 1:1.5:3 proportioned concrete works.	25

BACHELOR OF ARCHITECTURE EXAMINATION, 2017
 (1st/~~2nd~~ Semester/ ~~Repeat/ Supplementary/ Spl. Supplementary/ Old/ Annual/ Bi-Annual~~)

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Question Serial no.	Question	Marks
05.	Draw a King post Timber Truss OR a typical Steel Truss and show details of construction of the same. Also please show the details at support and roofing with metal sheets or clay tiles.	25
06.	Describe (using suitable sketches) how wall paneling is done with timber and plywood-veneer combination. Draw details of construction of a Cavity wall	25
06/.	Write short notes on (any five): (i) Sinking of well (ii) Advantages of construction of inverted arch foundation (iii) Cavity wall (iv) Decorative mouldings (v) Holding down bolt (vi) Terrazzo flooring (vii) Plumb line (viii) Creep of concrete (ix) Lewis Bolt (x) Panelling	25