## PARUL UNIVERSITY FACULTY OF ARCHITECTURE B.Arch ,Summer 2017-18 Examination

Semester: 4 Subject Code: 01101252 Subject Name: Building Materials and Construction Technology - IV		Date: 07/05/2018 Time: 02:00pm to 05:00pm Total Marks: 50	
1. 2. 3.	uctions: All questions are compulsory. Figures to the right indicate full marks. Make suitable assumptions wherever required. Draw suitable sketches wherever required.		
Q.1 Q.2	<ul> <li>Explain formwork and state its types in detail.</li> <li>Attempt any five out of six :</li> <li>A Fill in the blanks: <ol> <li>i)</li></ol></li></ul>	ls to ensure trouble-free nay travel at by allowing an	(10) (20)
Q.3	<ul> <li>shaft</li> <li>E Explain briefly with sketches: <ul> <li>i) Ladder scaffolding ii) Strutting</li> <li>F Answer the following:</li> <li>i) Explain Cavity wall and details of cavity wall for flat and inclined roof</li> <li>Answer the following (Any 5)</li> <li>i) Mention the uses of Rack and pinion elevator.</li> <li>ii) State the qualities of good formwork.</li> <li>iii) State the Advantages of RCC.</li> <li>iv) Explain briefly: Partitions and Paneling.</li> <li>v) Mention the types of Lifts and elevators.</li> <li>vi)Uses of Dumb waiters.</li> </ul> </li> </ul>		(10)
Q.4	<ul> <li>Explain the following (Any 2)</li> <li>i) Mention the factors to be considered for designing and locating elevator</li> <li>ii) Explain in detail the process of installation of suspended ceiling with sl</li> <li>iii) Explain with neat sketches all the elements of False ceiling.</li> </ul>	-	(10)