## Enrolment No.\_\_\_\_\_

		<b>GUJARAT TECHNOLOGICAL UNIVERSITY</b> M. E SEMESTER – II • EXAMINATION – SUMMER • 2013	
	•	t code: 1724903 Date: 10-06-2013 t Name: Application of Information Technology in	
Construction ManagementTime: 10.30 am – 01.00 pmTotal Marks: 70Instructions:1. Attempt all questions.2. Make suitable assumptions wherever necessary.			
Q.1	(a)	<b>3. Figures to the right indicate full marks.</b> Explain the importance and application of Information technology in	07
Q.1	(a) (b)	Construction Industry Enlist and explain the features of spread sheet software and its uses.	07
Q.2	(a)	Explain the uses of Toolbar and formula in MS-Excel	07
	<b>(b</b> )	Describe the use of What IF analysis in MS-Excel with its associated tools. OR	07
	<b>(b</b> )	Enlist and explain the use of features of MS-Word to prepare the sophisticated and more attractive technical report.	07
Q.3	(a)	Describe the use of flow chart as logic building tool. Also draw the symbols used in preparation of flowchart by showing their respective uses.	04
	(b)	Draw a flowchart for the life cycle of work allotted to the contractor by municipal corporation. Consider the cycle from preparation of proposal to completion of project	10
Q.3	(a)	<b>OR</b> Describe the use of Algorithm as logic building tool	04
•	(b)	Prepare an algorithm to prepare Mix Design for the given characteristic strength	10
Q.4	(a)	Write the use of HLOOKUP function with its application in civil engineering	07
	<b>(b)</b>	How can VBA be helpful in developing user defined application in MS-Excel	07
		OR	
Q.4	(a)	Write the use of following MS Excel function (a) STDDEV (b) COUNTIF (c)PROPER (d)ROUND	04
	<b>(b)</b>	Write the steps of preparation of spreadsheet template of Abstract sheet in MS Excel for the given item of work. Assume the suitable data.	10
Q.5	(a)	What is MS Project? Describe how it is useful towards the solutions of construction management.	07
	(b)	Write the steps of preparation of Bar chart in MS- Project	07
05	(a)	OR Enlict the features of MS Bower point Presentation	Ω4
Q.5	(a) (b)	Enlist the features of MS-Power point Presentation.	04
	(b)	<ul> <li>Write a shortnote on:</li> <li>(1) Application of Primavera</li> <li>(2) Ways of preparing effective presentations by MS-PowerPoint</li> </ul>	10

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