

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2013****Subject code: 1724903****Date: 10-06-2013****Subject Name: Application of Information Technology in
Construction Management****Time: 10.30 am – 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Explain the importance and application of Information technology in Construction Industry **07**
- (b)** 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)** Describe the use of What IF analysis in MS-Excel with its associated tools. **07**
- OR**
- (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**
- OR**
- Q.3 (a)** 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)** 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 **04**
(a) STDDEV (b) COUNTIF (c) PROPER (d) ROUND
- (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**
- OR**
- Q.5 (a)** Enlist the features of MS-Power point Presentation. **04**
- (b)** Write a shortnote on:
(1) Application of Primavera **10**
(2) Ways of preparing effective presentations by MS-PowerPoint
