SEAT No. :

[Total No. of Pages : 2

[5461]-511

B.E. (Civil)

TQM & MIS IN CIVIL ENGINEERING (401005 C)

(2015 Pattern) (Semester - I) (End sem.) (Elective - II)

Time :2 ½ Hours]
Instructions to the candidates :
    1)   All questions are compulsory.
    2)   Figures to the right indicates full marks.

[Max. Marks : 70

Q1) a) What are the various barriers affecting on the implementation of TQM in construction sector? **[4]**

    b) Explain the contribution of any two QM Gurus highlight their views regrading Quality? **[6]**

OR

Q2) a) 'Workman ship is important parameter of quality work', comment. **[4]**

    b) List out any four quality control tools and explain any two in detail. **[6]**

Q3) a) Write a note on Six Sigma in construction with respect to its advantages and limitations. **[5]**

    b) What are the contents of quality manual? Describe its structure. **[5]**

OR

Q4) a) Enlist the principle of ISO 9001 and Explain any two? **[5]**

    b) What is Six Sigma? Explain their certification levels. **[5]**

Q5) a) How the benchmarking is important role in TQM? **[6]**

    b) Describe the main features and process of Quality Circle. **[6]**

    c) Explain the flow of cost of quality. How it will be affect any construction project? **[6]**

OR

Q6) a) Explain with Example CONQAS. **[6]**

    b) What do you mean by Quality Circle? List out its benefits. **[6]**

    c) Write a note on CIDC-CQRA Certification? **[6]**

P.T.O.

Q7) a) Explain with Example 5 S techniques? **[6]**
b) What are the four elements of Zero defects explain with a suitable example. **[6]**
c) Explain the role of awards in TQM. **[4]**

OR

Q8) Write a note on (Any four) **[16]**
a) FEMA.
b) Jamuna lal bajaj award
c) Zero defect
d) Rajiv Gandhi National Quality Award
e) Malcolm Baldrige National Quality Awards

Q9) a) Elaborate DSS with example and write their Advantages. **[6]**
b) Write a note on operation support system. **[5]**
c) What is meant by MIS? List out its objectives. **[5]**

OR

*Q10)*a) Explain advantages and limitations of MIS in implementation on construction site. **[6]**
b) Construction activities will effectively managed by using MIS, Justify. **[5]**
c) Differentiate between data and Information. **[5]**

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