[5561]-511

B.E. (Civil)

TQM AND MIS IN CIVIL ENGINEERING

(2015 Course) (Semester-I) (Elective-II)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) *Answer any one from questions 1 or 2, 3 or 4, 5 or 6, 7 or 8, 9 or 10.*

2) *Neat diagrams must be drawn wherever necessary.*

3) *Figures to the right side indicate full marks.*

4) *Assume Suitable data if necessary.*

Q1) a) Explain any two definitions of quality with example.   **[6]**

b) What are the various barriers in implementation of TQM in construction industry?   **[6]**

OR

Q2) a) What are benefits of applying TQM on construction site.   **[6]**

b) Explain DMAIC & DMADV in brief.   **[6]**

Q3) a) What are the types of construction defect? Explain any two with examples.   **[6]**

b) Explain the historical evolution of TQM.   **[6]**

OR

Q4) a) Enlist the principles of ISO 9001 and explain any two.   **[6]**

b) Prepare a checklist for RCC work for column.   **[6]**

P.T.O.

Q5) a) What are the contests of quality manual? Describe in brief. **[8]**

b) Write a short note on: Conformity & Non-Conformity. **[6]**

OR

Q6) a) Explain CONQAS with suitable example. **[8]**

b) Explain 5s campaign of KAIZEN. **[6]**

Q7) a) Explain CIDC-CQRA certifications. **[8]**

b) Explain in brief Benchmarking in TQM? Explain the benefits & limitations of the same. **[8]**

OR

Q8) a) Explain in brief "Failure Mode Effect Analysis (FMEA)". **[8]**

b) Differentiate data & Information with suitable example. **[8]**

Q9) a) Define MIS? Explain benefits and limitations of MIS. **[8]**

b) Explain in brief Deming Prize & Malcolm baldrige award. **[8]**

OR

*Q10)*a) Explain subsystems of MIS in brief. **[8]**

b) Explain zero defects with suitable example. **[8]**

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