

Total No. of Questions :10]

SEAT No. :

P3244

[5670]-511

[Total No. of Pages :2

B.E. (Civil)

TQM AND MIS IN CIVIL ENGINEERING

(2015 Pattern) (Semester-I) (End Semester) (Elective-II) (401005C)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Answer any one from question 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) Elaborate Contribution in the field of quality by Deming & Crosby. [6]
b) What are the different measures to be taken on construction site to overcome the problem of poor quality? [6]

OR

- Q2)** a) What is TQM? Explain need of TQM in construction industry. [6]
b) What is six sigma? Explain its importance in construction sector. [6]

- Q3)** a) Explain any 4 common construction defects with remedies. [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 form work activity at various stages of work. [6]

- Q5)** a) What are the contents of quality manual? Describe in brief. [8]
b) Write a short note on : Quality Function Deployment (QFD) [6]

OR

- Q6)** a) Explain CONQAS with suitable example. [8]
b) Explain 5s campaign of KAIZEN. [6]

- Q7)** a) Explain in brief cost of Quality with case study. [8]
b) What is Quality Circle? Explain the benefits & limitations of the same. [8]

OR

P.T.O.

- 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 any two International quality awards. [8]

OR

- Q10)**a) What is Decision support system? Explain various components of DSS. [8]
b) Explain in brief any two National quality awards. [8]

