

Total No. of Questions : 4]

SEAT No. :

PA-10164

[Total No. of Pages : 1

[6010]-34

B.E. (Civil Engineering) (Insem)

TQM AND MIS

(2019 Pattern) (Semester - VIII) (401014 A) (Elective - VI)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4.*
- 2) *Neat diagram must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data if necessary and clearly state.*
- 5) *Use of cell phone is prohibited in the examination hall.*
- 6) *Use of electronic pocket calculator is allowed.*

Q1) a) Explain seven principles of Quality Management System. [8]

b) Explain the Management Principles in QA. [7]

OR

Q2) a) Explain the PLAN-DO-CHECK-ACT (PDCA) CYCLE. [8]

b) Explain the Role of Civil Engineer in Total Quality Management. [7]

Q3) a) Explain the different variations that are used in the Six Sigma process. [8]

b) Explain the data is needed for a run chart. [7]

OR

Q4) a) Explain the IMPLEMENTING LEAN SIX SIGMA in Construction Industry. [8]

b) What are some of the common defects in construction project. [7]

