

Total No. of Questions : 8]

SEAT No. :

PB-2237

[Total No. of Pages : 2

[6263]-75

B.E. (Civil)

TQM & MIS IN ENGINEERING

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

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6 and Q.7 or Q.8.
- 2) Figures to the right indicates full marks.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Assume Suitable data if necessary

Q1) a) Appraise the importance of ISO Process in construction Sector with example. [9]

b) Develop a checklist for formwork checking. [8]

OR

Q2) a) Justify the importance of quality manual in construction projects. Explain the documentation process. [8]

b) Develop a checklist for concreting activity. [9]

Q3) a) Why benchmarking is essential in organization. Explain the benchmarking process. [8]

b) Justify the need of quality circle in construction projects. [9]

OR

Q4) a) Explain in detail various categories of cost of quality. [8]

b) Explain in detail CONQAS, CIDC-CORA certifications. [9]

P.T.O.

- Q5) a)** How will you apply 5S techniques in construction projects. [9]
- b) Explain in detail Failure mode effect analysis. [9]

OR

- Q6) a)** Explain in detail KAIZEN concept. How it can be applied in civil engineering organization. [9]
- b) Explain the Rajeev Gandhi Award & Jamunalal Bajaj Award. [9]

- Q7) a)** Justify the need and importance of MIS in construction sector. [9]
- b) Explain in detail characteristics of information. [9]

OR

- Q8) a)** Explain in detail operation support system and Transaction process system. [9]
- b) Explain in detail Executive support system & Executive information system. [9]
