

Total No. of Questions :6]

SEAT No. :

P58

Oct.-16/BE/Insem. - 111

[Total No. of Pages :2

B.E. (Civil)

TQM & MIS

(2012 Pattern) (Elective - II) (Semester - I)

Time : 1 Hour]

[Max. Marks :30

Instructions to the candidates:

- 1) *Answer Q 1 or 2, Q 3 or Q 4, Q 5 or Q 6.*
- 2) *Figures to the right side indicate full marks.*
- 3) *Use of calculator is allowed.*
- 4) *Assume suitable data if necessary.*

- Q1)** a) State any two definitions of “Quality.” State its meaning w.r.t. construction industry. [5]
- b) Explain Deming’s PDCA cycle in detail. [5]

OR

- Q2)** a) What steps should be taken to achieve “Quality” on construction site.[4]
- b) What are the parameters that hinder Quality on construction site?. [6]

- Q3)** a) Define Data and information. State two examples of data and information as applied to construction industry. [4]
- b) Discuss the data and information required to start a manufacturing unit of interlocking blocks in rural area. [6]

OR

- Q4)** a) What are the objectives of MIS for construction industry? [4]
- b) What are the Decision Support Systems commonly used? Explain in brief. [6]

P.T.O.

- Q5)** a) What is Six Sigma? State its levels. Also, explain how to calculate sigma level. [4]
- b) Discuss the problems that occur while implementing TQM on construction site? [6]

OR

- Q6)** a) Explain “TQM” in detail and apply its principles to construction site. [4]
- b) What are the types of defects that are found on construction sites? Explain in detail. [6]

