

Total No. of Questions : 6]

SEAT No. :

P6012

[Total No. of Pages : 2

BE/Insem./Oct.-11

B.E. (Civil)

TQM & MIS IN CIVIL ENGINEERING
(2012 Pattern) (Semester - I) (Elective - II)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.*
- 2) *Figures to the right side indicate full marks.*
- 3) *Use of Calculator is allowed.*
- 4) *Assume suitable data if necessary.*

Q1) a) Explain the principle “Mutually beneficial supplier relationships” in quality management. [4]

b) Explain Deming’s philosophy related to Quality. [6]

OR

Q2) a) Give any three reasons resulting into poor Quality of RCC work? State measures to overcome them. [6]

b) State the benefits of maintaining Quality in construction. [4]

Q3) a) What are the various sources of data which are applied to construction of tunnel? [4]

b) What are the applications of computer software and hardware in MIS?[6]

OR

Q4) a) Discuss the data and information required for construction of a flyover?[4]

b) Explain use of GIS and Decision Support System. [6]

P.T.O.

- Q5)** a) Explain the principle “Customer focus” that is applied in 6 Sigma. Give suitable example. [4]
b) What is DMAIC process? Explain in detail by giving suitable example.[6]

OR

- Q6)** a) Differentiate between Quality Assurance and Quality Control. [4]
b) Write a detailed note on Internal Audit. [6]

