(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2012361

Roll No.

B.TECH.

Regular Theory Examination (Odd Sem - VII), 2016-17

QUALITY MANAGEMENT

Time : 3 Hours   *Max. Marks : 100*

SECTION - A

1.   **Attempt all parts. All parts carry equal marks. Write answer of each part in short.**   **(10×2=20)**

a.   What do you mean by Quality?

b.   Define MTTF.

c.   What do you understand guarantee and warrantee?

d.   Define Sampling.

e.   Define control chart?

f.   What do you mean by reliability?

g.   What is analysis of claims?

h.   Define the meaning of prototype.

i.   What do you mean by Maintainability?

j.   What do you understand by quality cost?

SECTION - B

2.   **Attempt any five questions from this section.**

(5×10=50)

a)   Define Quality Management. What are the dimensions of quality?

b)   What is process capability study? How it is measured?

c)   What do you mean by manufacturing? Explain the methods and techniques of manufacturing.

d)   Discuss Taguchi approach to ensure quality from traditional quality assurance procedures.

e)   Does operator attitude affect quality? Explain.

f)   What do you mean by Quality circles? Explain the objectives and structure of Quality circle.

g)   Explain the construction and analysis of X chart and R - chart.

h)   What is Deming 14 Point Programme?

SECTION - C

Note : Attempt any two questions from this section.

(2×15=30)

3.   Explain evaluation of Total Quality Management (TQM) concept from quality control.

4.   What do you mean by Defect study? Discuss identification and analysis of defects.

5.   What the role of training is as envisaged in ISO - 9000 standards?