G 1057 (Pages : 2)

B.TECH. DEGREE EXAMINATION, MAY 2016

Sixth Semester

Branch : Computer Science and Engineering

PROJECT MANAGEMENT AND QUALITY ASSURANCE (R)

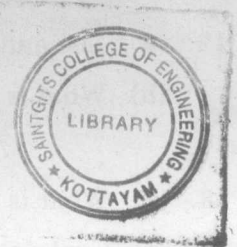(Old Scheme—Prior to 2010 Admissions)

[Supplementary/Mercy Chance]

Time : Three Hours

Maximum : 100 Marks

Part A

*Answer **all** questions.*
Each question carries 4 marks.

1. What is capital budgeting ? Explain its significance.

2. Discuss the need for conducting social cost benefit analysis.

3. What is project abandonment analysis ? Discuss.

4. Explain how total quality management (TQM) is different from traditional notions of quality.

5. _____ to use stratified sampling ? Discuss.

(5 × 4 = 20 marks)

Part B

*Answer **all** questions.*
Each question carries 20 marks.

6. (a) What is project scheduling ? Discuss the need for project scheduling with an example.

(7 ½ marks)

(b) What types of surveys and studies are to be undertaken before initiating a project ? Discuss.

(12 ½ marks)

Or

7. (a) List and discuss the roles and responsibilities of a project manager.   (10 marks)

(b) What is market analysis ? Discuss the information required for market analysis.

(10 marks)

8. (a) Discuss the different aspects to be studied for making financial analysis of a project.

(10 marks)

(b) Describe the procedure for analyzing project risk.   (10 marks)

Or

Turn over

(10 marks)

9. (a) What are the elements of project control ? Discuss.

(b) "Every project has a useful life, after which it is expected to end". Under what circumstances a decision to abandon a project before its planned life cycle is taken ? Discuss with example.

(10 marks)

10. What are the ISO 9000 series standards? What are the elements of the standards ? Discuss.

(20 marks)

Or

(10 marks)

11. (a) What is benchmarking ? Why benchmarking ? Discuss.

(b) What is total productive maintenance (TPM) ? What are the goals of TPM ? Discuss.

(10 marks)

(10 marks)

12. (a) List and discuss the steps in the sampling design process.

(10 marks)

(b) What is cluster sampling ? Discuss with example.

Or

(5 marks)

13. (a) What is a confidence interval ? Explain with an example.

(b) Explain with example confidence interval estimation of population mean μ when σ is known.

(15 marks)

[4 × 20 = 80 marks]