G 1501

(Pages : 2)

B.TECH. DEGREE EXAMINATION, MAY 2016

Sixth Semester

Branch : Mechanical Engineering

ME 010 606 L06—PROJECT MANAGEMENT (Elective I) [ME]

(New Scheme—2010 Admission onwards)

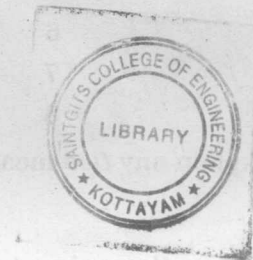[Regular/Improvement/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer **all** *questions.*
Each question carries **3** *marks.*

1. Explain about environment impact analysis.

2. What is payback period ? Explain with an example.

3. Explain briefly about decision trees.

4. Discuss about resource allocation.

5. Explain the features of any one PM software.

(5 × 3 = 15 marks)

Part B

Answer **all** *questions.*
Each question carries **5** *marks.*

6. Explain the characteristics of project with an example.

7. Discuss about the means of project finance.

8. Explain the major measures of project risk.

9. List out and explain the procedural steps in crashing.

10. What are the reports generated from Project 2010 ? Explain their uses.

(5 × 5 = 25 marks)

Part C

Answer **all** *questions.*
Each question carries **12** *marks.*

11. Discuss about 7-S of project management.

Or

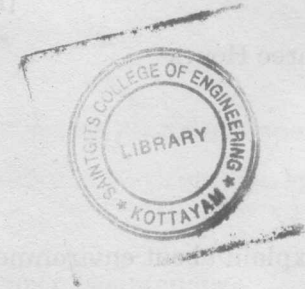12. Explain the procedural steps in financial analysis.

Turn over

13. List out and explain discounting and non-discounting criteria techniques used for project evaluation.

Or

14. Using following data, find the cost benefit ratio and net present value :

Year		Cash flow (in Rs.)
0	...	3,60,000
1	...	70,000
2	...	70,000
3	...	70,000
4	...	70,000
5	...	80,000
6	...	80,000
7	...	80,000
8	...	70,000

15. Explain any *two* measures of break-even point with examples.

Or

16. Discuss the major stand alone project risks with examples.

17. Explain major resource levelling techniques.

Or

18. Using following information related to a new project, find probability of completion of the project in at least two weeks earlier than expected.

A < D ; A < E ; B < F ; C < G ; D < H ; E, F < I ; I < K (duration in weeks)

Activity :	A	B	C	D	E	F	G	H	I	K
t_o :	5	17	26	16	15	6	8	7	3	7
t_p :	11	22	40	20	25	6	12	9	5	9
t_m :	7	20	33	18	20	6	10	8	4	8

19. Develop a project management information system for a construction project having approximate outlay Rs. 20,00,000.

Or

20. Discuss about the inputs and major outputs of Project 2010.

(5 × 12 = 60 marks)