F 3559   (Pages : 2)   Reg. No.................................

                                              Name...................................

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014
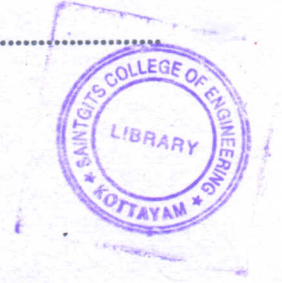
Eighth Semester

Branch : Mechanical Engineering

PROJECT MANAGEMENT (Elective II) (M)

(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 Financial feasibility ?

2. Explain why technical analysis needs to be done.

3. Explain network crashing.

4. What is dummy activity ? Why it is used ?

5. Explain the significance of moving average method.

6. Explain the limitations of correlation analysis.

7. Define simulation and state phases of simulation.

8. Explain regret.

9. Explain coloring techniques.

10. Explain lagging activities.

                                              (10 × 4 = 40 marks)

Part B

Answer all questions.
Each question carries 12 marks.

11. (a) Explain market and technical feasibilities. Why to make market research before any project ?

Or

(b) Explain the characteristics of project.

12. (a) Draw the network and maximum time required to complete the project for the following sequence of activities :

Activity		Duration	Dependence
A	...	7	—
B	...	8	—
C	...	4	—

Turn over

Activity		Duration	Dependence
D	...	9	A, B
E	...	10	C
F	...	5	D
G	...	7	F
H	...	8	D, E
I	...	8	D
J	...	4	H
K	...	3	I, J

Or

(b) Explain PERT.

13. (a) Explain time series analysis and correlation analysis.

Or

(b) Forecaste the demand for 11th year using following data using regression analysis.

Year	...	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Demand	...	2000	1900	2300	2250	1800	1950	2400	2300	2100	1900

14. (a) Explain various risks involved and their effects in economic analysis with examples.

Or

(b) Explain Monte Carlo simulations used in risk analysis.

15. (a) Explain the types of reports, their significance in project management.

Or

(b) Discuss ABC activities.

(5 × 12 = 60 marks)