

10. a) What is the concept of project information system ? Give in details the objectives of PMIS ? 7
- b) Discuss adverse effect of cost over runs of project. 6
11. a) What is project cost escalation ? Describe its reasons ? 6
- b) How the feasibility report for the project is prepared ? 7

OR

12. a) Discuss causes of conflict in handling of projects. 7
- b) Explain how cost-time-value cycle is controlled to manage project resource flow ? 6



AL - 2103

B.E.(Mechanical Engineering) Fifth Semester (CGS)

Elective-I

Project Management

P. Pages : 4

5 FEME 05

Time : Three Hours

Max. Marks : 80

- Note : 1. Answer **three** question from section A and **three** question from section B.
2. Assume suitable data wherever necessary.
3. Illustrate your answer necessary with the help of neat sketches.

SECTION - A

1. a) What key issues would you examine in a preliminary screening exercise of project ? 6
- b) What do you mean by project constraints ? Explain internal and external constraints. 7

OR

2. a) What are methods of uncertainty analysis for investment decisions ? Discuss sensitivity analysis ? 7
- b) What are various types of project selection models. Discuss. 6

3. a) What are the types of conflicts ? Discuss the causes and effects of each ? **6**
- b) Which are known to be fundamentals in every successful organization ? Describe briefly ? **7**

OR

4. a) What do you mean by Negotiating ? Give principles of Negotiation. **7**
- b) Discuss steps in planning. Describe contents of master plan. **6**
5. a) What are the different project cost reduction techniques ? Describe any two. **7**
- b) What are the components of cost of project ? Discuss any four in details. **7**

OR

6. a) Explain the types of Budgets in projects ? **7**
- b) What do you mean by macro and micro estimating of project ? Give the conditions to prefer one over the other. **7**

SECTION - B

7. a) What do you mean by PERT and CPM ? State six basic differences between PERT and CPM. **7**
- b) What do you mean by integrated resource management ? Discuss. **7**

OR

8. a) The activities involved in small project are given below along with relevant information construct the network and find the critical path. **7**

Activity	1 - 2	1 - 3	2 - 3	2 - 4	3 - 4	4 - 5
Duration	20	25	10	12	6	10

Find also floats for each activity.

- b) What do you mean by resource smoothing and resource levelling. **7**
9. a) What do you mean by project Audit ? Give the guidelines for conducting a project audit ? **6**
- b) Describe fundamental purpose of control. Explain post process control. In what type of application it is used ? **7**

OR