

03524

MANAGEMENT PROGRAMME

Term-End Examination

June, 2013

MS-52 : PROJECT MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage 70%)

*Note : Answer **any four** questions. All questions carry equal marks.*

1. (a) Distinguish between Project and Production Management. Discuss the critical success factors in project management.
- (b) Explain your understanding regarding "Technical Analysis" in the context of project management.
2. (a) Discuss the various available methods for economic analysis of projects.
- (b) Discuss the various issues related to equipment and process technology as applied to project management.

3. Consider a project having the following activities and their time estimates.

Activity	Predecessor	TIME (DAYS)		
		Most Optimistic	Most Likely	Most Pessimistic
A	-	2	4	6
B	A	8	12	16
C	A	14	16	30
D	B	4	10	16
E	C,B	6	12	18
F	E	6	8	22
G	D	18	18	30
H	F, G	8	14	32

- (a) Draw the network diagram of the project.
- (b) Compute the expected project Completion Time.
- (c) Identify the critical path.
- (d) Determine the variance and standard deviation of the project.
- (e) Which due date has about 90% chance of being met ? (Take $z = 1.65$)
4. (a) What is resource levelling ? Discuss the various methods of resource levelling.
- (b) Discuss the relevant and different types of cost to be estimated in the life cycle of a project. How does the level of accuracy increase progressively ?

5. (a) What are the different Organisation Structures recommended for project organisation? Explain their advantages and disadvantages.
- (b) What do you understand by "Feedforward Project Control"? How do you compare it with Feed Back System? Explain the role of Feedforward Control in MIS for project management.
6. (a) Explain the pitfalls in the traditional method of cost accounting and expenditure control in projects.
- (b) Discuss the quality control methods usually applied in project management.
-