

MANAGEMENT PROGRAMME

Term-End Examination

June, 2010

MS-52 : PROJECT MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage 70%)

- Note :** (i) *This question paper contains two Sections. Section - A and Section - B.*
- (ii) *Attempt any three questions from Section - A, each carrying 20 marks.*
- (iii) *Section - B is Compulsory and carries 40 marks.*

SECTION - A

1. What are some aspects of the project manager's job that make it more demanding than the job of a manager working in a more routine organisational framework ? Justify your answer with suitable examples. 20
2. A large number of project - management softwares have been developed to facilitate and control various projects of all kinds. How can Microsoft Project/Primavera Project Planner help with variety of scheduling and costing of tasks ? 20
3. Technology and processes play crucial role in certain projects. What are the key issues in regards to choice of technology, equipment and processes at the stage of formulation of DPR ? 20

4. A good team-work speeds up project implementation. Developing self directed project teams is the key to improving effectiveness in project management. Elucidate. 20
5. (a) A firm uses simple exponential smoothing with $\alpha = 0.1$ to forecast demand. The forecast for the week of February 1 was 500 units, whereas actual demand turned out to be 450 units.
- (i) Forecast the demand for the week of February 8.
- (ii) Assume that the actual demand during the week of February 8 turns out to be 505 units. Forecast the demand for the week of February 15.
- (b) The moving - average forecast and actual demand for a hospital drug are as shown in the accompanying table. Compute the MAD, and the tracking signal. 10+10

Month	Actual Demand	Forecast Demand
27	71	78
28	80	75
29	101	83
30	84	84
31	60	88
32	73	85

SECTION - B

6. The details of activities of a construction project are given below. Draw a network and determine job project completion time, critical activities and total float for each activity. 20

Activity	Predecessor	Duration (days)
A	-	14
B	A	15
C	B	25
D	A	20
E	D	12
F	A	9
G	F	21
H	G	24
I	C	16
J	B,I	18
K	H	20
L	K	6
M	E	8
N	J,C	7
P	M,G	10

7. Write short notes (any four) : 4x5=20
- (a) Cybernetics
 - (b) TQM in Projects
 - (c) Integrated cost/schedule graph
 - (d) Task Force Concept
 - (e) Project Scheduling
 - (f) Environment Impact Assessment.