524203

May 2024
M.Tech. (MT&A) IInd Semester
Project Management (MMTA-203-1)

Time : 3 Hours]   [Max. Marks : 75

Instructions :

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART–A

1. (a) Explain the various types of projects.   (1.5)

   (b) What do you mean by term 'work breakdown structure (WBS)'?   (1.5)

   (c) Write any four phases of Project Management.   (1.5)

   (d) Distinguish between forward and backward pass computations.   (1.5)

   (e) Distinguish between activity and event.   (1.5)

   (f) Mention the various types of floats.   (1.5)

   (g) Explain the term Crashing of network.   (1.5)

(h) How do you design a Project control system? (1.5)

(i) State and explain the common causes of Project termination. (1.5)

(j) Write down the full form of MADM. (1.5)

PART–B

2. (a) Develop a network diagram for the project specified below : (10)

Activity	A	B	C, D	E	F	G
Preceded by	—	—	B	C	D	E, F

(b) Mention the various phases of Project Life Cycle with suitable examples. (5)

3. (a) Explain the various steps involved in project identification and screening. (5)

(b) Explain the project appraisal in terms of market, technical, social, ecological and financial point for any electronic product. (10)

4. Project schedule has the following characteristics :

Activity	to	tm	tp	Activity	to	tm	tp
1-2	3	5	8	3-4	1	3	6
1-3	2	3	5	3-5	2	4	6
1-5	2	3	4	4-5	1	2	4
2-3	1	2	5	5-6	1	2	3
2-6	7	8	9				

(i) Construct the project network.

(ii) Find the expected duration and variance for each activity.

(iii) Find the critical path. (15)

5. (a) Explain the various terms : Direct Cost, Indirect Cost, Normal Cost and Crash Cost. (7)

(b) Discuss in detail Resource Levelling and Resource Allocation terms. (8)

6. (a) Do you feel that the role of human factors is very much important in successful completion of the project. Justify it with suitables examples. (10)

(b) What are the various steps involved in the preparation of the budget for any Project. (5)

7. (a) Explain the different steps involved in Project Report. (10)

(b) Is it important to have 'Post Project Evaluation'? Justify the statement. (5)

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