Reg. No.									

MBA (FT/PT) Degree IV Semester End Semester Examination- June, 2022
20-371-0406/20-372-0406: Project Management
(Regular)

Time: 3 Hours **Max. Marks: 50**

PART A
(Answer ALL questions. Each question carries 2 marks)

1 Define Project Triangle (triple Constraints)
2 Describe Time Constrained Projects
3 What is Top Down approach in Project Estimation
4 What is meant by S curve in projects
5 Define Project Risk

(5x2=10)

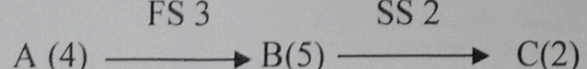
PART B
(Answer ANY FIVE questions. Each question carries 4 marks)

6 Explain Work Breakdown Structure and its uses in project planning. Draw a WBS for a Management Fest like Talent Time.

7 The activities and their durations in a project are given below. Calculate the duration of the project using PERT Method.

Name of the activity	Optimistic duration	Most Likely duration	Pessimistic duration	Precedence
A	1	1	1	
B	1	2	3	A
C	2	3	4	A
D	3	5	7	A
E	1	1	1	B,C,D

8 Describe the practical uses of a project schedule
9 How can you reduce project duration in a resource constrained project?
10 Differentiate between Project structure and Functional structure with respect to executing projects in organizations
11 Highlight the importance of team work in projects. Suggest measures to improve the performance of a project team
12 What is the project completion time if three activities A, B, C are connected through precedence diagramming as shown below. The duration of the activities are shown in brackets.



(5x4=20)

PART C

(Answer ANY TWO questions. Each question carries 10 marks)

13. Describe a framework for conducting Project Feasibility Study. (5 Marks)

    You have an idea to start a new venture "Online Food Delivery". How will you go about checking the feasibility of your project idea? (5 Marks)

14. Define Earned Value Method (EVM) in project progress tracking. (4 marks)

    The following data is available on a project

ESTIMATE

	Period 1	**Period 2**	**Total**
Cost	16000	4000	20000
Work %	80%	20%	100%

ACTUAL REPORTED

	Period 1	**Period 2**	**Total**
Cost	10000	6000	16000
Work %	40%	30%	70%

Analyze the performance of the project in period 1 using Earned Value method (6 marks)

15. The following data is available for five projects namely A, B, C, D and E.

Particulars	A	B	C	D	E
Investment (Lakhs)	200	200	200	200	200
Manpower required	5	9	20	17	6
Machines required	2	3	2	1	3
NPV (for a cost of capital 15%)	40	95	150	100	67
IRR	18%	22%	23%	25%	20%

(a) Which of these five projects are viable. Arrange the viable projects in the order of preference.(5 Marks)

(b) Suppose the maximum manpower available is 25 and maximum machines available is 5 and all projects are to be executed simultaneously, which all projects do you recommend. Justify the answer. (5 Marks)

(10x2=20)