

(4)

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- (c) Discuss the process of Post Project Evaluation. What are the Observations need to take during Post Project Evaluation ? Explain in detail. (CO4)

### Section—B

5. Case Study : (20 Marks) (CO5)

Activity	Preceding Activity	Time Estimate weeks		
		Optimistic	Most likely	Pessimistic
A	—	4	5	12
B	—	1	1.5	5
C	A	2	3	4
D	A	3	4	11
E	A	2	3	4
F	C	1.5	2	2.5
G	D	1.5	3	4.5
H	B, E	2.5	3.5	7.5
I	H	1.5	2	2.5
J	F, G, I	1	2	3

- Construct the project network.
- Find the duration and variance of each activity.
- Find the critical path and project completion time.
- What is the probability of completing project on or before 17 weeks ?

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## M. B. A. (FOURTH SEMESTER) END SEMESTER

EXAMINATION, May, 2023

PROJECT MANAGEMENT

Time : Three Hours

Maximum Marks : 100

- Note : (i) This question paper contains two Sections—Section A and Section B.
- (ii) Both sections are compulsory.
- (iii) Answer any two sub-questions among (a), (b) and (c) in each main question of Section A. Each sub-question carries 10 marks.
- (iv) Section B consisting of case study is compulsory. Section B is of 20 marks.

### Section—A

- (a) A project is different from routine and regular activities. Draw a list of characteristics and distinguish the projects from other activities. (CO1)

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- (b) Explain the key knowledge areas (eight) and their integration with respect to project management. (CO1)
- (c) Discuss project life cycle in detail. (CO1)
2. (a) Discuss any *ten* success criteria of a project. (CO2)
- (b) How can project be classified? Briefly explain BMRED classification. (CO2)
- (c) Differentiate between CPM and PERT. Also explain the importance of Gantt chart in project management. (CO2)
3. (a) Explain the structure of project organization with suitable examples. Why is it considered to be more appropriate? (CO3)
- (b) 'Contract management is an integral part of project management'. Comment on the statement. Discuss important components of contract management. (CO3)
- (c) Following is the cash flow of two projects A and B, which one would you suggest and why? (CO3)

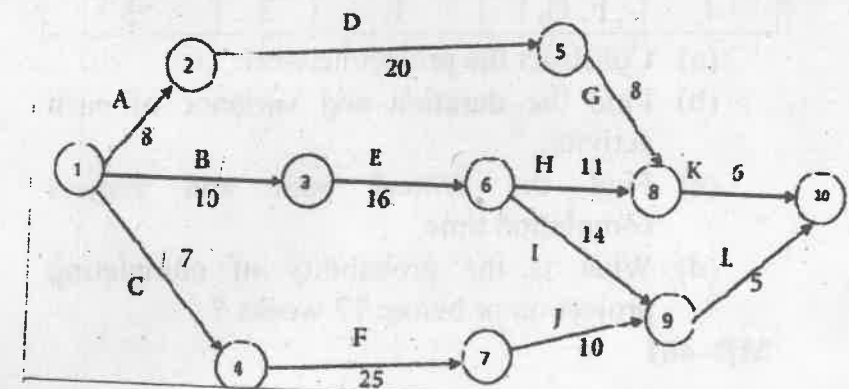
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Year	Project A	Project B
0	- 22000	- 16000
1	4000	0
2	4000	0
3	4000	10000
4	8000	10000
5	10000	10000

(negative cash flow indicates outflow and positive cash flow indicates inflow) (CO3)

4. (a) What are the types of project Termination? Briefly explain the strategic implication for project closure. (CO4)
- (b) Find critical time and critical activities of the project shown in the figure below : (CO4)



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