MCOSC-3.2A/D

Sl. No.

III Semester M.Com. Degree Examination, May/June - 2026

COMMERCE

Project Appraisal and Infrastructure Finance

(CBCS, SLM Semester Scheme)

Time : 3 Hours **Maximum Marks : 80**

SECTION - A

Answer any Four questions. Each question carries Five marks. **(4×5=20)**

1. Why does the control of projects in practice tend to be ineffective?
2. List the techniques of risk analysis.
3. What are the commonly used structures of a PPP?
4. What are the difference between PERT and CPM?
5. Explain how you measure a project's risk.
6. What are the shortcomings in infrastructure management in India?

SECTION - B

Answer any Three questions. Each question carries Ten marks. **(3×10=30)**

7. Explain the different types of project contracting.
8. Describe and evaluate various forms of project organization.
9. Discuss in detail the various means of financing a project.
10. How the projects are planned, monitored and controlled in cycle process?
11. What do you mean by budget uncertainty? How risk is managed in projects?

SECTION - C

Answer any Two questions. Each question carries Fifteen marks. **(2×15=30)**

12. Explain various kinds of project appraisal techniques by emphasizing technical and financial appraisal.
13. What is infrastructure finance? Explain advantages and disadvantages of BOT/BOOT system for infrastructure projects.

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14. A project involving an outlay of Rs. 10 million has the following benefits associated with it.

Year 1		Year 2		Year 3	
Cash flow (Rs. in million)	**Prob.**	**Cash flow (Rs. in million)**	**Prob.**	**Cash flow (Rs. in million)**	**Prob.**
4	0.4	5	0.4	3	0.3
5	0.5	6	0.4	4	0.5
6	0.1	7	0.2	5	0.2

Assume that the cash flows are independent. Calculate the expected net present value and the standard deviation of net present value assuming that i = 10 percent.

15. A project consists of 12 activities and their time estimates are shown below ;

Activity	**Time (in weeks)**		
	t_0	t_m	t_p
1-2	4	6	10
1-3	3	7	12
1-4	5	6	9
1-7	2	4	6
2-4	6	10	20
2-6	3	4	7
2-7	5	9	15
3-4	3	7	12
4-5	2	4	5
5-6	1	3	6
3-7	2	5	8
6-7	1	2	6

a) Draw the network diagram.

b) Determine the critical path.

c) Calculate event slacks and activity floats.

d) Find the standard deviation of the critical path duration.
