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**School of Business**

**Integrated Bachelor of Business Administration - Master of Business Administration  
Semester End Examination - Nov 2023**

**Duration : 180 Minutes  
Max Marks : 100**

**Sem IX - MBDS6007 - Project Management***General Instructions**Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) List the stakeholders for any project? K1 (2)
- 2) Explain why monitoring and control phase in project life cycle is crucial? K2 (4)
- 3) Classify the risk and the techniques of risk analysis. K2 (6)
- 4) Identify the difference and similarities between CPM and PERT. K3 (9)
- 5) Identify the Hillier Model, and how is it used in project risk analysis? Explain the steps involved in the Hillier Model's risk assessment process. K3 (9)
- 6) Mr Vinay plans to send his son for higher studies abroad after 10 years. He expects the cost of these studies to be Rs 1000000. How much he should save annually to have a sum of Rs 1000000 at the end of 10 years, if the interest rate is 12%. K5 (10)
- 7) Analyze the process of calculating risk scores using the Risk Scoring Matrix. Provide a simple Risk Scoring Matrix with three levels each for probability and impact. K4 (12)
- 8) Assess about Capital Budgeting? Interpret why do businesses need capital budgeting? Evaluate the methods used in Capital Budgeting. K5 (15)
- 9) An Aviation company is considering two mutually exclusive projects, A and B. Project A involves an outlay of Rs 100 million which will generate an expected cash inflow of Rs 26 million per year for 7 years. Project B calls for an outlay of Rs 55 million which will produce an expected cash inflow of Rs 14 million per year for 7 years. The company's cost of capital is 12 percent. Propose the Net Present value (NPV) of the different projects? Predict and determine the suitable project for execution. K5 (15)

- 10) Construct the network diagram for the following project. Develop the critical activities and the project completion time. Predict the time, variance and standard deviation of the project. The estimates of time in weeks of the activities of a project are as follows:

K6 (18)

Activity	Predecessor Activity	Optimistic time estimate ( <u>to</u> days)	Most likely time <u>estimate</u> ( <u>tm</u> days)	Pessimistic time estimate ( <u>tp</u> days)
A	-	2	4	6
B	A	3	6	9
C	A	8	10	12
D	B	9	12	15
E	C	8	9	10
F	D, E	16	21	26
G	D, E	19	22	25
H	F	2	5	8
I	G	1	3	5