Name. _____ **Printed Pages:02**

Student Admn. No.: _____

School of Business

Backlog Examination, June 2023

[Programme: BBA] [Semester: IV] [Batch:]

Course Title: Project Planning & Management **Max Marks: 100**

Course Code: BBAD 2011 **Time: 3 Hrs.**

Instructions:

1. *All questions are compulsory.*
2. *Assume missing data suitably, if any.*

		K Level	COs	Marks
	SECTION-A (15 Marks) 5 Marks each			
1.	Explain the tools and techniques of Project Management.	K2	CO1	5
2.	Illustrate the payback period of capital budgeting.	K2	CO2	5
3.	Explain the steps involved in the Delphi method of selection.	K2	CO2	5
	SECTION-B (40 Marks) 10 Marks each			
4.	Illustrate the concept of Hillier's model of correlated and uncorrelated cash flows.	K2	CO1	10
5.	Examine the qualitative forecasting method with the quantitative forecasting method.	K4	CO2	10
6.	Distinguish between the concepts of IRR and MIRR in investment criteria.	K4	CO3	10
7.	Distinguish between the concepts of CPM and PERT in project management techniques. OR Analyze how would you calculate the variability of project duration and probability of completion at a specified time? Illustrate with an example.	K4	CO4	10
	SECTION-C (45 Marks) 15 Marks each			
8.	A Company wants to assess the impact of R & D expenditure on its annual profit. The following table presents the information for the last eight years: Years | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2015 R & D expend (Cr) | 2 | 3 | 5 | 4 | 10 | 5 | 7 | 9 Annual Profit (Cr) | 20 | 25 | 34 | 30 | 60 | 41 | 42 | 45 Analyze the regression equation to predict the annual profit for an allocated sum of R & D expenditure.	K4	CO3	15
9.	The expected net cash flows of the two projects are as follows. The cost of capital is 12 per cent. Year | 0 | 1 | 2 | 3 | 4 | 5 Project A | (5000) | 3000 | 2000 | 1500 | 1000 | 500 Project B | (5000) | 1000 | 2000 | 3000 | 4000 | 5000 1. What is the discounted payback period of the two projects? 2. Calculate the NPV for projects and choose the best one.	K5	CO4	15

PTO

10	Draw the network diagram and estimate the critical path for the following project. Or Draw a network and estimate the critical path.			K5	CO5	15

Activity	Predecessor Activity	Duration(weeks)
A	-	3
B	A	5
C	A	7
D	B	10
E	C	5
F	D, E	4

Activity	Duration (days)
1-2	2
1-3	7
1-4	8
2-5	3
3-5	6
3-6	10
3-7	4
4-6	6
5-7	2
6-8	5
7-8	6