



**NAVVRACHANA
UNIVERSITY**
a UGC recognized University

School: School of Business and Law
Program/s: BBA
Year: 3rd **Semester:** 5th
Examination: End Semester Examination
Examination year: December - 2021

Course Code: MG307 **Course Name:** Project Management
Date: 06/12/2021
Time: 14:30 PM to 16:30 PM

Total Marks: 40
Total Pages: 02

Instructions:

- All questions are compulsory
- Normal Distribution table is provided in page 2.
- Use of a calculator is permitted/not permitted
- * COs=Course Outcome mapping. # BTL=Bloom's Taxonomy Level mapping

Q. No.	Details	Marks	COs*	BTL#																																												
Q.1	Short notes on the followings: (a) Dummy activity (b) CPM Vs PERT (c) Work break down structure (d) AOA Vs AON network diagram	2×4=8	CO1, CO3, CO4	BT1, BT2																																												
Q.2	(a) Discuss different types of project organization structures. (b) What is earned value analysis? How it helps in controlling of a project?	5 5	CO1, CO5	BT1, BT2																																												
Q.3	The details of a project are given below.		CO1, CO3, CO4	BT1, BT2, BT3, BT4, BT5, BT6																																												
	<table border="1"> <thead> <tr> <th>Node (i-j)</th> <th>Optimistic Time (Days)</th> <th>Most likely Time (Days)</th> <th>Pessimistic Time (Days)</th> </tr> </thead> <tbody> <tr><td>0-1</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>1-2</td><td>6</td><td>8</td><td>10</td></tr> <tr><td>1-3</td><td>4</td><td>10</td><td>16</td></tr> <tr><td>2-4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>2-5</td><td>1</td><td>3</td><td>5</td></tr> <tr><td>3-4</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>3-6</td><td>4</td><td>7</td><td>10</td></tr> <tr><td>4-7</td><td>2</td><td>5</td><td>8</td></tr> <tr><td>5-7</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>6-7</td><td>7</td><td>8</td><td>9</td></tr> </tbody> </table>	Node (i-j)	Optimistic Time (Days)	Most likely Time (Days)	Pessimistic Time (Days)	0-1	1	2	3	1-2	6	8	10	1-3	4	10	16	2-4	5	6	7	2-5	1	3	5	3-4	2	3	4	3-6	4	7	10	4-7	2	5	8	5-7	1	2	3	6-7	7	8	9			
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	Answer the following:																																															
	(a) Draw network diagram, Find critical path and total duration for this project.	4																																														
	(b) Draw Gantt chart for this project.	2																																														
	(c) Find Total float, Safety float, Free float and Independent float.	2																																														
	(d) What is the probability that the project will be finished before 30 days?	2																																														
	(e) What is the probability that the project will be finished between 25 to 28 days?	4																																														
Q.4	A leading automobile company want to set up an Electric vehicle factory at Vadodara. As a project manager how would you conduct feasibility study for this project?	8	CO1, CO2	BT2, BT3																																												

***** End of Question Paper *****

