

<b>Name:</b>	 <b>UPES</b> <small>UNIVERSITY WITH A PURPOSE</small>
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, December 2019**

**Course: MBA (PSM)**  
**Subject: Project Management & Contract Administration**  
**Max. Marks: 100**

**Semester: III**  
**Subject code- LSCM8001**  
**Time: 03 hrs.**

**Instructions:**

**SECTION A**

S. No.	<b>Attempt all of the following, each question carry two marks.</b>		
Q 1	How Project is different from Project Management?	2	CO 1
Q 2	Cite the reasons, which makes projects different from process/operations with suitable examples.	2	CO 1
Q 3	Describes the factors lead to project success.	2	CO 1
Q 4	Cite five strategies to create new product development process.	2	CO 1
Q 5	How CPM technique is different from PERT technique of project scheduling.	2	CO 1
Q 6	Why critical path is important in project scheduling.	2	CO 1
Q 7	What do you understand by free slack in project scheduling?	2	CO 1
Q 8	How Gantt / Bar Chart would shows the progress of the project.	2	CO 1
Q 9	How Boston Consulting Group (BCG) Matrix can be helpful in project selection and evaluation?	2	CO 1
Q 10	Why crashing of project is important as far as mega infrastructure project like airport, highway and power plant development is concerned.	2	CO 1

**SECTION B**

**Attempt any Four**

Q 1	What do you understand by project life cycle? Discuss this with suitable example.	5	CO2
Q 2	Discuss the model for Project Contracting.	5	CO2
Q 3	Projected cash flow 30 lac in first year, CF is going to increase by 10 lac for next 3 years, and then decreases by 15 lac and closes in 5 year. Initial investment 140 lac, working capital requirement is 20 lac. The company foresees to fetch a net salvage value of 35 lac after 5 years. Find payback period of this project.	5	CO2
Q 4	What is PMO? Discuss in detail the components of PMOs.	5	CO3
Q 5	What are the reasons of delays in a project?	5	CO2

**SECTION-C**

**Attempt any three**

Q 1	MBA Pvt. Ltd is looking to choose supplier/partner to distribute final products to distributors and provide transportation service. This firm is evaluating the suppliers on	10	CO3
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	four criteria mainly Quality, Price, Service and Delivery. There are four suppliers (A, B, C and D) have been qualified as potential suppliers for the firm. However, due to lack of funds, firm want to choose only best supplier. Since these criteria involves qualitative and quantitative variables. As an project manager which technique you would recommend to choose the best supplier for MBA firm. Take hypothetical data and perform the desired analysis.		
Q 2	Suppose Govt. of Uttarakhand has assigned you one project to reduce vehicular pollution in Dehradun. How would you appraise this project?	10	CO3
Q 3	Generally, Projects involve different teams representing different stakeholders, which can affect projects outcome directly and indirectly. Suggest the strategies, how would you manage these different stakeholders?	5+5	CO2
Q 4	Government projects always overrun in terms of cost and time. Can you suggest some measures to tackle these problems?	10	CO4

**SECTION-D (Case study/Analytical)**

Consider a project, the network of which is given in figure - 1 below. Indirect cost is 160/day And the descriptions of different activities are as follows in Table.

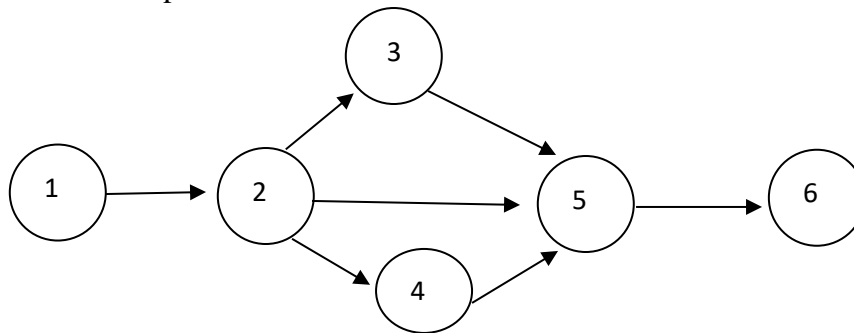


Figure - 1

Activity	Normal		Crash	
	Time	Cost	Time	Cost
1-2	3	350	2	400
2-3	6	1440	4	1620
2-4	9	2160	8	2220
2-5	7	1300	5	1600
3-5	8	500	7	600
4-5	5	1600	3	1770
5-6	8	450	7	750
		7800		

Q 1	Determine critical path for this project.	10	CO4
Q 2	Can crashing of this project is possible. Then determine optimum schedule of this project. Also determine optimum cost after crashing	10+10	CO4

