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#### **Enrolment No:**



Semester: I

CO<sub>2</sub>

**10** 

# UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

Online End Semester Examination, December 2020

Course : Project Management & Contract Administration

Programme: MBA (GM/AVM)

Course Code: LSCM 8001

Time: 03 hrs.

Max. Marks: 100

**Instructions: All questions are compulsory** 

#### **SECTION A (30 Marks)**

## 1. Each Question will carry 5 Marks

2. Answer the following questions pointwise strictly.

S. No.		Marks	CO
Q 1	Phases of Project Life Cycle are:	5	CO 1
Q 2	Name 5 Project Management Process Groups (according to PMI)	5	CO 1
Q 3	Mention any 5 Project Management Knowledge Areas (according to PMI)	5	CO 1
Q 4	Categories of competencies required for a project manager (according to IPMA)	5	CO 1
Q 5	Which are the factors considered in non-financial evaluation for business case analysis of a project?	5	CO 1
Q 6	What are the three dimensions of a project risk factor?	5	CO 1

#### **SECTION B (50 Marks)**

## 1. Each question will carry 10 marks

## 2. Instruction: Answer precisely, write legibly and stepwise.

O 7 Consider the data of a project shown in the following table.

	1 3	<i>U</i>	
Activity	Immediate Predecessor(s)	Time (weeks)	Cost (Rs.)
A	-	8	4000
В	-	5	3000
С	-	10	6000
D	A	6	4000
Е	С	7	5000
F	D	9	7000
G	BE	3	2000

Given that indirect cost per week is Rs. 350.

Find the total project cost if the project has to be completed in minimum possible time.

Q 8	Draw the n	Draw the network diagram.				10	CO2
	Activity	Immediate Predecessors	Duration (in Weeks)	Budget Cost of activity (Rs. Lakhs)			
	A	-	8	8			
	В	-	2	8			
	С	В	5	10			
	D	C	6	9			
	Е	A	4	12			
	F	D,E	4	6			
	G	D,E	1	1			
	Н	F	3	6			
	Project			60			
	F' 141	··· 1 41 1	,.	. 1. 1 1	. ,		
Q 9				required to complete the	1 0	10	CO2
Q 9	Draw the Gantt chart (showing cost break-up) and project cost baseline for the above project.				10		
Q 10	The project progress data of the project in the previous question is given below:				10	CO3	
	End of Week 10						
	Activity	% Work Completed	Actual cost				
	A	100	10				
	В	100	10				
	С	100	12				
	D	20	2				
	Others	0	0				
	Calculate the EV, AC, CV, CPI, SP, SPI at the end of week 10. Estimate project completion cost & time on the basis of performance at week 10.						
Q 11	Compare &	contrast diffe	rent types of co			10	CO3
		ng caselet care e systematical	fully.	ION-C ( 20 marks) uple calculations and v	vrite legibly.		
Q 12				or official work @ Rs.			
	all costs of acquiring). This owned car will also incur a maintenance cost of Rs. 40,000				nce cost of Rs. 40,000		
	per annum. The current practice is hiring car @ Rs. 2,00,000 per annum (including maintenance cost). The fuel cost and driver salary will remain unchanged in the both arrangements. The life of the car is 8 years and its salvage at the end of life estimated to be Rs. 1,00,000. Assume all recurring costs are fix for this period and cost of capital						
					20	CO 4	
					<b>4</b> U		
		hat should the	=	•	-		