Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2019

Course: Project Management

Program: B. Tech. (PIE)

Course Code: IPEG 425

Semester: VIII

Time 03 hrs.

Max. Marks: 100

Instructions: Use of calculator is allowed.

SECTION A

S. No.																Marks	CO
Q 1	Define project. How they are different from operations?									4	CO1						
Q 2	What type of behavioral competencies required for a project manager?									4	CO2						
Q 3	Distinguish between CPM and PERT.									4	CO3						
Q 4	Give full f	forms: PV, EV	V, SP	I, CF	PI											4	CO4
Q 5	Mention the steps involved in project procurement process.								4	CO5							
	!					S	ECT	ION	В								
Q 6	done unde	the two comer these components importance importance	onent of p	s of	busir ets fo	ness o O r dev	ease a R velop	analy	sis.		-			•		10	CO1
Q 7	Estimate 1 2500 tone an existing tones was 2200, Cos	the installations at new local graph plant at a law Rs. 100 Crost index (2016) Six-tenth Factors	on co tion (ocation ores, 2) =	st of locaron (v which	a plation in the control of the cont	ant tindex locat	to be $x = 1$; ion in the structure of	20); ndex ucted	giver = 20 in 2	that 00) o 2012.	the f anr	insta nual o st in	llatio capao dex	n cos city 1 (2019	t of 500) =	10	CO2
Q 8	A project consists of 12 activities whose precedence relationships and their time estimates are shown as follows:										ime	10	CO3				
		TIVITY	A	В	С	D	Е	F	G	Н	I	J	K	L			
		mediate ecessor(s)	-	-	-	A	A	В, Е	C	C	D	F, G	Н	K			
		Optimistic (a)	4	2	5	8	4	5	5	6	7	8	2	4			
	Time Estimate	Most Likely (m)	6	3	5	10	5	6	8	8	7	10	3	5			
		Pessimistic (b)	8	4	5	12	6	7	11	10	13	12	4	6			
	a) Dr	aw the projec	t net	work													

Q9	c) W A simple efforts. The draftsman were preputed as the simple efforts. The draftsman were preputed as the simple efforts. The draftsman were preputed as the simple efforts of the simple efforts. The simple efforts of	A simple Project involves preparation of 500 drawings, each requires equal time and efforts. The standard cost is Rs. 2000/drawing and work rate is 10 drawings / week / draftsman and total 5 draftsmen are available. At the end of Week 4, 180 drawings were prepared at the total cost of Rs. 4.5 Lakhs. Calculate: 1) Budgeted cost of project 2) Planned duration of project 3) PV 4) EV 5) CV 6) SV 7) CPI 8) SPI									
Q 10	Mr. Sharm and will co building th below:										
	ACTIVITY ID	DESCRIPTION	PRECEDENCE	DURATION (WEEKS)	%AGE OF TOTAL COST						
	A	Excavation and framing	_	4	24						
	В	Roof and Fireplace	A	3	8						
	C	Wiring roughed in	A	1	3						
	D	Plumbing roughed in	B,C	2	6						
	Е	Siding on	D	2	5		CO3				
	F	Windows, insulation, walls, plaster and garage	Е	8	17						
	G	Furnace	В	1	9						
	Н	Plumbing fixtures installed	D	2	4						
	J	Exterior paint, light fixtures, hardware installed	F,G,H	6	10						
	K	Floors laid and finished	Н	4	6						
	L	Carpet and trim installed	K	1	4						
	M	Interior decoration	J,L	2	4						
	baseline.	Prepare the project network diagram, construction plan using Gantt chart and project cost baseline.									
Q 11	contribution	What do you mean by quality in project? Name some quality gurus and throw light on the contribution of any of two gurus. Briefly outline the quality management process. OR Explain the process of project risk management. What are the possible sources of risks and									
		Explain the process of project risk management. What are the possible sources of risks and how it can be estimated? Discuss various risk response strategies.									