Name: Enrolm	ent No:					
		DLEUM AND ENERGY STUDIES Examination, May 2023				
Course Program Course Instruc	r: IV e: 03 Hrs. arks: 100					
		CTION A				
S. No.	10Qx2	M= 20 Marks	Marks	СО		
Q 1	Fill in the blanks. Each blank carries 2 mark	55				
1.1	A project is a series ofdire objective.	2	CO1			
1.2	If the optimistic time estimate of an activity 24 days, expected duration of the activity i is		CO1			
1.3	According to PMBOK, there are total	processes.	2	CO1		
1.4	If CPI of a project is more than 1.0 then the	2	CO1			
1.5	In CPM both activities and their tim (deterministic/probabilistic).	. 2	CO1			
1.6	The expected project completion time i completed in 31 weeks will be	2	CO1			
1.7	The critical activities in a project network	nave slack time.	2	CO1		
1.8	If SPI of a project is less than 1.0 then the schedule.	ne project istime	2	CO1		
1.9	PMBOK stands for	·	2	CO1		
1.10	If cost of capital = IRR, then Net Present V	<i>a</i> lue =	2	C01		
		CTION B M= 20 Marks	1	1		
2.1	Classify various methods of project finance	al evaluation and their applicability	5	CO2		
2.2	Discuss the qualities & competencies of a	good project manager.	5	CO2		
2.3	Distinguish between CPM & PERT.		5	CO2		
2.4	Give a brief overview of Project Managem	ent soft wares.	5	CO2		

					CTION-C	rks			
3.1	3Qx10M= 30 Marks 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. Calculate Budgeted cost of project and Planned duration of project At the end of Week 4, 180 drawings were prepared at the total cost of Rs. 3.42 Lakhs Lakhs. Determine PV, EV, CV, SV and then estimate project completion cost and time. However, at the end of Week 10, all 500 drawings were prepared incurring total cost of Rs. 12 Lakhs. find out cost variance, schedule variance and then comment on the objective of the project monitoring and control.								CO3
3.2	Discuss the impacts of an infrastructure project on environment and economy with suitable examples.							10	CO3
3.3	How can	How can we ensure project quality? Explain the process of project quality management.							CO3
					CTION-D 1 = 30 Ma	rks			
	ActivityABCDEFGIf the indianetwork.	Immediate predecessor(s) - - A C D B,E rect cost per week	Time (1 Normal 8 5 10 6 7 9 3 c is Rs. 350	Crash 6 4 8 5 7 7 2	Cost Normal 4000 3000 6000 4000 5000 7000 2000 optimal crass	Crash 4300 3150 6800 4200 - 7550 2100	Ilt of the project	15	CO4
4.2	Plan the execution of the optimally crashed project in 4.1 with the help of a Gantt Chart and prepare the cost baseline.								CO4