Name: **Enrolment No:**	UPES UNIVERSITY WITH A PURPOSE

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

Course: Project Management **Semester: VI**
Program: BBA (LM) **Time: 03 Hours**
Course code: LSCM 3001 **Max. Marks: 100**
Instructions: Use of calculator is allowed

		Marks	CO
	SECTION A (Fill in the blanks)		
Q 1	a) The triple constraints of project management - _____, Cost and Scope. b) The most hectic phase in project life cycle is _____. c) _____ is a graphical model depicting the interrelationship between the various elements of the Project Work System. d) CPM was developed by _____ and the emphasis was on the trade-off between the cost of the project and its overall completion time. e) _____ is applied when project activities are deterministic but their time duration is probabilistic. f) _____ is assignment of any task with passing on formal authority. g) The delegatee remains _____ to delegator about the use of authority. h) Decision in an information bound system is based on information from the _____. i) The _____ of a project can be compressed by putting additional resources on the job. j) All the costs incurred in the project before it becomes ready to start commercial production, will be treated as _____.	**2*10 = 20**	**CO1, CO2, CO3**
	SECTION B (Write short notes on any four)		
Q 2	Financial Institutions' Classification of Projects	**5**	**CO1**
Q 3	Environmental Impact Assessment	**5**	**CO2**
Q 4	Responsibility Assignment Matrix	**5**	**CO3**
Q 5	CPM vs. PERT	**5**	**CO4**
Q 6	Essential Elements of a Contract	**5**	**CO5**
	SECTION-C (Answer any two questions)		
Q 7	Discuss the various phases of project life cycle with the help of a neat and labeled PLC curve.	**15**	**CO1**
Q 8	The organizations executing projects regularly has choices of structuring themselves as matrix organization and task force organization - compare and contrast.	**15**	**CO2**
Q 9	Estimate the installation cost of a plant to be constructed now of annual capacity 500 tons per annum at new location (location index = 250); given that the installation cost of an existing plant at a location (with location index = 150) of annual capacity 200 tons per annum was Rs.	**15**	**CO2**

	100 Crores, which was constructed in 2010. [Cost index (2019) = 3600, Cost index (2010) = 2000]. Using (a) Investment per Annual ton Capacity Method (b) Six-tenth Factor Method		

SECTION-D

Q 10

The following table gives the data on a project.

Activity	Description	Immediate Predecessors	Duration (Weeks)	Total Cost Rs. '000
H	Basic design	-	10	100
I	Hardware design for A	H	8	64
J	Hardware design for B	H	6	96
K	Drawings for B	J	4	16
L	Software specifications	J	2	36
M	Parts purchase for B	J	4	84
N	Parts purchase for A	I	4	80
O	Drawings for A	I	5	50
P	Installation drawings	I,J	5	60
Q	Software purchases	L	5	80
R	Delivery of parts for B	M	5	0
S	Delivery of parts for A	N	3	0
T	Software delivery	Q	3	0
U	Assembly of A	O,S	1	14
V	Assembly of B	K,R	5	80
W	Test A	U	2	24
X	Test B	V	3	36
Y	Final Installation	P,W,X	8	104
Z	Final system test	Y,T	6	66

a) Draw the network for this project
b) Prepare the Gantt Chart and
c) also the project cost baseline

30

CO3,4, 5