Name: **Enrolment No:**	UPES

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Course: Project Management **CC: BBCG-108** **Semester: V**
Programme: BBA (Logistics Management)
Time: 03 hrs. **Max. Marks: 100**
Instructions: Use of calculator and graph papers is allowed.

SECTION A: Fill in the blanks. Each carries 1 mark. (1*20=20 marks)

S. No.	Fill in the blanks. Each carries 1 mark.	**Marks**	**CO**
1.1	A project is a series of _____directed to accomplishment of a desired objective.	**1**	**CO 1**
1.2	PMBOK stands for _____.	**1**	**CO 1**
1.3	The triple constraints of project management are time, _____ and scope.	**1**	**CO 3**
1.4	Full form of SCBA is _____.	**1**	**CO 2**
1.5	Acts of God, government actions, strikes, lock-outs or other concerted action of workmen, war sabotage, riots, civil commotion, police action, revolution, flood, fire, earthquake and epidemic are collectively termed as _____.	**1**	**CO 5**
1.6	NPV stands for _____.	**1**	**CO 1**
1.7	A _____ is a graphical model depicting the interrelationship between various activities of the project.	**1**	**CO 3**
1.8	Full form of PERT is _____.	**1**	**CO 3**
1.9	The slack time of critical activities in a project network is _____.	**1**	**CO 3**
1.10	EPC projects are _____.	**1**	**CO 5**
1.11	Both activities and their duration are _____ in CPM.	**1**	**CO 3**
1.12	Full form of WACC is _____.	**1**	**CO 1**
1.13	The time phased cumulative cost curve is _____ shaped.	**1**	**CO 4**
1.14	LSTK projects are _____.	**1**	**CO 5**
1.15	If cost of capital is same as internal rate of return, then Net Present Value of the project will be _____.	**1**	**CO 1**
1.16	WBS stands for _____.	**1**	**CO 2**
1.17	The most hectic phase in project life cycle is _____.	**1**	**CO 2**
1.18	Full form of RAT is _____.	**1**	**CO 4**
1.19	_____ is an enforceable agreement between two or more parties.	**1**	**CO 5**
1.20	EVMS stands for _____.	**1**	**CO 4**

SECTION B: Write short notes on any four of the following. Each carries 5 marks. (5*4=20 marks)

2.1	Environmental Impact Assessment	**5**	**CO 1**
2.2	Project Charter and Project Manual	**5**	**CO 2**
2.3	Cost Engineering	**5**	**CO 3**
2.4	Project Closing Phase	**5**	**CO 4**
2.5	Essential Elements of a Contract	**5**	**CO 5**

SECTION-C: Answer any two of the following questions. Each carries 15 marks. (15*2=30 marks)

3.1	What is the definition of project according to PMI? Explain its various features and characteristics. How projects can be classified and categorized on various bases?	**15**	**CO 1**
3.2	Explain the structure of matrix organization and task force organization with the help of an organizational structure. Also, discuss their suitability and limitations.	**15**	**CO 2**
3.3	When tendering process is necessary? What are the various types of tendering process? Trace the sequential steps of any one type of tendering process.	**15**	**CO 5**

SECTION-D: Read the project details & answer the questions followed. Each carries 10 marks. (10*3=30 marks)

4.0 Mr. Kapoor plans to construct a house in Dehradun. The size of the house is 1000 sq. feet, and will cost Rs. 3,000 per sq. foot.The activities in constructing the house, the precedence activity(s), the durations and the percentage of total cost are as follows:

Activity	Description	Precedence	Duration (Weeks)	%age Of Total Cost
A	Excavation and framing	-	4	24
B	Roof and Fireplace	A	3	8
C	Wiring roughed in	A	1	3
D	Plumbing roughed in	B,C	2	6
E	Siding on	D	2	5
F	Windows, insulation, walls, plaster and garage	E	8	17
G	Furnace	B	1	9
H	Plumbing fixtures installed	D	2	4
J	Exterior paint, light fixtures, hardware installed	F,G,H	6	10
K	Floors laid and finished	H	4	6
L	Carpet and trim installed	K	1	4
M	Interior decoration	J,L	2	4

(i)	Estimate the total project cost and draw the project network.	**10**	**CO 4 & CO 5**
(ii)	Plan the construction with a Gantt chart and project completion time.	**10**	
(iii)	Draw the time-phased cumulative cost curve for this project.	**10**	