

**Jagan Institute of Management Studies**  
**End-Term Examination, December 2017 – January 2018**  
**Trimester V – PGDM 2016-18**

***Project Management***  
***ET\_PG\_PM\_0501***

Time: 3 Hrs.

M. Marks: 70

**INSTRUCTIONS:** Attempt any SIX questions including Q1 which is compulsory.

**Q 1**

List of activities for erecting a canteen in the factory is given below with other relevant details. Job A must precede all others while job E must follow all others. Apart from this, jobs can run concurrently also:

	<b>Code</b>
	<b>Job description</b>
	<b>Normal</b>
	<b>Crash</b>
	<b>Duration (Days)</b>
	<b>Cost Rs.</b>
	<b>Duration (Days)</b>
	<b>Cost (Rs.)</b>
	A
Lay foundation and build walls	5
	3000
	4
	4000
	B
Tile Flooring	6
	1200

	2
	2000
	C
Install electricity	4
	1000
	3
	1800
	D
Install Plumbing	5
	1200
	3
	200
	E
Connect services to finish	3
	1600
	3
	1600

**a)**  
Draw the network and identify critical path.

**b)**  
Crash the network fully to find out minimum duration.

**c)**  
If indirect costs are Rs. 300/day determines the time-cost tradeoff for the project.

**20**

**Q 2 a)** What are the phases of PLC? Explain.

**b)** What is the need to have project management? How technology plays vital role in planning?

**10**

**Q 3** List Resource types, resource cost and per-use cost along with resource utilization? How these above concepts play role in project management?

**10**

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**Q 4** Explain the following:

**a)** Critical Task.

**b)** Milestone.

**1**

**PTO**

- c) Slack, lead & lag.
- d) Start to start relationship between tasks **10**
  
- Q 5 What are the three dimensions of project management? How can controlling differ from tracking? **10**
  
- Q 6 Reporting is critical to any management? List & explain various resource related reports in MSP (Project management using MS-Project)? **10**
  
- Q 7 List the importance of the following:
  - a) Identify CPM.
  - b) Identify Resource conflicts and resource over-allocation.
  - c) Splitting tasks and recurring tasks **10**

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