

MP-505

December - Examination 2018

**Master of Business Administration - II Year
Examination****Project Management****Paper - MP-505****Time : 3 Hours]****[Max. Marks :- 80**

Note: The question paper is divided into three sections A, B and C. Write answers as per the given instructions.

Section - A**8 × 2 = 16**

(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 2 marks.

- 1) (i) Define the term predecessor and successor in network diagram.
- (ii) What is material reconciliation in project management?
- (iii) What is critical path in project network diagram?
- (iv) Name the different float applicable project.
- (v) Mention objectives of evaluation of projects.
- (vi) What is Internal rate of return?
- (vii) Define project management.
- (viii) Discuss characteristics of project execution.

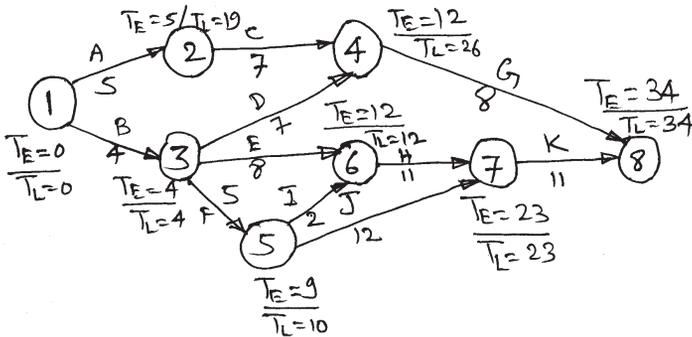
Section - B

$4 \times 8 = 32$

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 8 marks.

- 2) Draw project organisation with a suitable example of execution of a fertilizer plant.
- 3) For a network shown, work out the total float of all the activities.



- 4) Prepare a network diagram and mark the critical path

Activity	1-2	1-3	2-4	3-5	4-6	5-6	6-7	5-7
Preceding Activity	-	-	1-2	1-3	1-3 & 2-4	3-5	4-6 & 5-6	3-5
Duration (Days)	3	16	5	4	8	4	17	11

- 5) Prepare a bar chart of project planning and scheduling for an event managements of party execution in 3-4 days basic time for about 10-12 activities in the event execution.

- 6) Explain the term BCWS, BCWP and ACWP in project evaluation. A project was started on 1st July, 2002 and was scheduled for completion on 30th June 2003. A mid term review of the project produced the following information.
- Budgeted cost for work scheduled (BCWS) = Rs 3,00,000/-
 - Budgeted cost for work performed (BCWP) = Rs 2,90,000/-
 - Actual cost of work performed (ACWP) = Rs 3,20,000/-
- Calculate cost variance and schedule variance in cost terms.
- 7) Explain the key areas of project management.
- 8) Write the break down structure upto level 3 for a project execution of building construction of 25' × 50' square feet area and single story.
- 9) Explain in detail the planning phase of projects life cycle for a selection and execution of a higher education college building.

Section - C

2 × 16 = 32

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum up to 500 words. Each question carries 16 marks.

- 10) Write short notes on:
- (i) Features of project planning and scheduling software.
MSP 2010 (microsoft project 2010)
 - (ii) Utility of information technology in projects.

- 11) OP Ltd, is thinking of investing in a project costing Rs 1.0 crore. The life of a project is 8 years and the estimated salvage value of the project is Rs. 6.0 lakh. The company follows the straight line method of depreciation. The tax rate is 30%. The expected cash flows before tax are : (for 8 years)

Year	Expected cash flows before tax (Rs lakh)	Year	Expected cash flows before tax (Rs lakh)
1	→ 8.0	5	→ 30.0
2	→ 10.0	6	→ 36.0
3	→ 18.0	7	→ 38.0
4	→ 22.0	8	→ 40.0

Calculate :

- (i) Payback period
 - (ii) Internal Rate of Return
- 12) What are the reasons for project left over material (Specially bulk items) in a mega project, it leads to tremendous inventory holding cost for long run. As a project manager, what are remedial procedure you would suggest in the beginning of project to reduce left over bulk inventory as well as redundant equipment, keeping the project in schedule. Explain in detail the major strategic considerations and detailed procedure of each of them respectively.

13) Prepare a bill of material (BOQ) and schedule of quantity (SOQ) for executing a new PVC drinking water pipeline (Header 8"/6") and branch (3"/4").

- (i) Route : From Vardhman university to CAD circle or of your city tentatively 5km route for main header 8"/6" and branches 10 Nos of 500 mtr each for 3"/4"). Prepare a line route.
- (ii) Also prepare a budgeted value of material and execution, considering following profile of unit rates.

PVC pipe - 8" - 500 /- mtr

6" - 300/- mtr

4" - 200/- mtr

3" - 150/- mtr

fittings @ 50/-

Execution cost : Rs 500/- per inch dia (Inclusive all)
