

**PROJECT MANAGEMENT
(CHEN 4182)**

Time Allotted : 3 hrs

Full Marks : 70

Figures out of the right margin indicate full marks.

Candidates are required to answer Group A and any 5 (five) from Group B to E, taking at least one from each group.

Candidates are required to give answer in their own words as far as practicable.

**Group – A
(Multiple Choice Type Questions)**

1. Choose the correct alternative for the following: **10 × 1 = 10**
 - (i) The most essential criteria of choosing location of the site of a project for a plant manufacturing medicines is

(a) desert	(b) near a metropolitan city
(c) a temperate and non humid place	(d) near a port.
 - (ii) The four important phases of a Project are
 - (a) Initiation and planning, execution, monitoring and control, closing
 - (b) Material, man, machine and methods
 - (c) Identifying stakeholders, satisfying them, checking logistics, taking statutory measures
 - (d) None of the above.
 - (iii) The CPM network is a _____ network.
 - (a) Probabilistic
 - (b) Virtual
 - (c) Deterministic
 - (d) Sometimes deterministic & sometimes probalistic.
 - (iv) In Project Management stakeholders mean
 - (a) Family members
 - (b) Legislative authorities of the country
 - (c) Any person or group of individuals may be affected by the project
 - (d) Any person or group of individuals not affected by the project.
 - (v) In 'SMART' work plan M stands for

(a) Methodical	(b) Measureable
(c) Meaningful	(d) Meritorious.
 - (vi) The Executive Sponsor provide _____

(a) decisive project influence	(b) project charter
(c) change control	(d) central contact.

- (vii) The PERT is _____ network
 - (a) a deterministic
 - (b) a probabilistic
 - (c) sometimes deterministic and sometimes probabilistic
 - (d) a Virtual.
- (viii) At break-even capacity the annual manufacturing cost is
 - (a) Greater than annual sales revenue
 - (b) Less than annual sales revenue
 - (c) Equal to annual sales revenue.
 - (d) Equal to annual sales revenue minus taxable amount.
- (ix) Kitchen Sink Syndrome is synonymous with

(a) Scope Creep	(b) minimum employee-benefits
(c) Trained personnel	(d) none of these.
- (x) Kaizen means

(a) Maximum profitability	(b) Minimum loss of man hour
(c) Continuous improvement	(d) ISO 14000.

Group – B

2. (a) Explain different phases of Project Life Cycle with the help of a representative diagram.
- (b) Discuss the role and responsibilities of a Project Manager. **8 + 4 = 12**
3. (a) Discuss critically the essential components of a scope management plan.
- (b) Enumerate the four steps of Stakeholders' Management for a project. **8 + 4 = 12**

Group – C

4. What is Gantt Chart? Explain how the Gantt / milestone chart helped in developing the concept of Network Analysis. State and explain Fulkerson's rule for numbering a network. **(2 + 5 + 5) = 12**
5. Draw a network diagram from the following activity and find the Earliest Expected time, Latest Allowable Occurrence time and slack in a tabular form. Hence find the Critical Path.

Activity	10--20	10--30	10--40	20--50	30--50	40--60	50--60
Duration (weeks)	2	4	3	1	6	5	7

6 + 6 = 12

Group - D

6. (a) Narrate significance of risk management with respect to project management.
- (b) Give a brief account of the characteristics of project.

7 + 5 = 12

7. (a) Briefly enumerate the roles & responsibilities of Executive Sponsor and Project Sponsor. Narrate the importance of stakeholders in the context of Project Management.
- (b) State the basic requirements for success of a project. Explain any three of them.

(3 + 3) + 6 = 12

Group - E

8. (a) "An organizational structure in project management could be described as the official line of authority and control within an organization." — Explain the statement with salient points with the help of a representative diagram.
- (b) Enumerate six common "Leadership Styles".

6 + 6 = 12

9. (a) What are the factors which have enabled the Mumbai *Dabbawallahs* to achieve the Six Sigma distinction?
- (b) A manufacturer of tullu pump sells each for Rs 2200. The various annual expenses are: Material Cost: Rs 50000; Labour Cost: Rs 25000
Cost of motor for each set: Rs 1000
The factory over head: 35% of prime cost; Total office expenses: 10% of factory cost; Calculate the profit per unit if annual production is 5000 units.

6 + 6 = 12