

(3 Hours)

Total Marks: 80

Note:

1. **Question No. 1 is compulsory.**
2. Attempt any **THREE** out of the remaining **FIVE** questions.
3. Assume suitable data if necessary.

- Q. 1.** Write short notes on **any FOUR** questions. (20)
- (a) What is the definition of a project? What is the importance of Project Management?
 - (b) Differentiate between the Functional, Pure Project and Matrix organizations.
 - (c) What are various stages of team development and growth? What are advantages of effective team?
 - (d) What are the reasons for conflict in projects during various stages of progress of a project?
 - (e) Why is the project manager's role more of a facilitator rather than a supervisor?
 - (f) What is concurrent engineering?
- Q. 2.** (a) Draw an Earned value chart and describe the three variances of it and explain their significance. (10)
- (b) How does cost of change, risk and influence of stakeholders are affected with project time during the life cycle of a project? (10)
- Q. 3.** (a) What are the contents of a project charter? Who prepares and authorises a project charter? (10)
- (b) Explain work breakdown structure. (10)
- Q. 4.** (a) A software development project at day 70 exhibits an actual cost of Rs.78,000/- and the scheduled cost of Rs. 84,000/-. The software manager estimates a value of completed work of Rs. 81,000/-. What are the cost and schedule variances and CSI? Estimate the time variance assuming linear relation between time and cost. (10)

- (b) What is Goldratt's critical chain method? What is meant by a project buffer? (10)

Q. 5. (a) What is a Risk breakdown structure? How the impact scales are defined for various project objectives? (10)

- (b) Briefly describe the purchasing cycle. (10)

Q. 6. Write short notes on: (20)

- (a) Differentiate between top-down budgeting and bottoms up budgeting.
(b) Why are negotiations important in Project Management?
(c) Why is communication the most important part of a project manager's job?
(d) What is resource loading?
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