

# SOFTWARE PROJECT MANAGEMENT

## SECTION A – Short Questions (2 Marks Each)

1. Define Software Project Management.
  2. Briefly discuss about the Project Evaluation.
  3. Define Project Life Cycle.
  4. Discuss about the Effort Estimation.
  5. Briefly discuss about the need of Activity Planning.
  6. What do you mean by Risk Management?
  7. What do you mean by Project Management and Control?
  8. Define Framework for Management.
  9. What do you understand by the Organizational behavior?
  10. Discuss about the need of Staffing in Software Projects.
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## SECTION B – Answer Any Three (10 Marks Each)

1. Explain in detail about the Best methods of staff selection Motivation.
  2. Write short notes on any two of the following:
    - (i) Software process and Process Models
    - (ii) Choice of Process models
    - (iii) Rapid Application development (RAD)
  3. What do you mean by Project schedules? Mention the Objectives of Activity planning.
  4. Discuss about the concept and need of Cost monitoring & Earned Value Analysis.
  5. Describe the activities and Importance of Software Project Management.
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**SECTION C – Long Questions (10 Marks Each)**

**Q3:** Attempt any one:

- (a) What is the concept and need of Agile methods in Project Life Cycle?
- (b) Explain about the Oldham Hackman job characteristic model under the Staffing in Software Projects.

**Q4:** Attempt any one:

- (a) Discuss in detail about the Categorization of Software Projects.
- (b) Discuss about the Forward Pass and Backward Pass techniques in Activity Planning and Risk Management.

**Q5:** Attempt any one:

- (a) Discuss in detail about the Change control & Software Configuration Management.
- (b) Explain in detail about any two of the following:

- (i) Stress
- (ii) Health and Safety
- (iii) Ethical and Professional concerns

**Q6:** Attempt any one:

- (a) Describe any two of the following:

- (i) Basics of Software estimation
- (ii) Effort and Cost estimation
- (iii) Dynamic System Development Method

- (b) Write down about any two of the following:

- (i) Critical path (CRM) method
- (ii) Risk identification
- (iii) PERT technique

**Q7:** Attempt any one:

- (a) Briefly discuss any two of the following through an example:

- (i) Cost-benefit evaluation technology
- (ii) Risk evaluation
- (iii) Stepwise Project Planning

- (b) Write down about the concept of Contract Management under the Management Technique.