

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

**680221 Management of Software Projects**

**Question Bank**

**UNIT I**

1. Why do so many projects fail?
2. Explain the dimensions of software project.
3. Why should project managers follow processes?
4. Explain various stages of project.
5. Why do companies use PM?
6. Why do people learn PM?
7. Why project planning required?
8. Explain the history of project management.
9. Explain the characteristics of a project.
10. Explain the objectives of a project.
11. Explain the elements of a project plan.
12. Describe the current challenges faced by the project.
13. Difference between project and operations.
14. Differentiate goals and objectives.
15. Describe stakeholders.
16. Explain the desirable characteristics of processes.
17. Difference between mature and immature processes.

**UNIT II**

1. Explain Project Life Cycle phases with the help of diagram.
2. Explain Project portfolio management and also explain the 3 key aspects.
3. Explain step-wise project planning with the help of diagram.
4. Define the methodologies and technologies used to select an appropriate project approach.
5. How to reduce high-level project risk uncertainty?
6. Explain Waterfall model with the help of diagram.
7. Explain the drawbacks of waterfall model.
8. Explain Prototyping model with the help of diagram.
9. Discuss the advantages and disadvantages of Prototyping model.

- 10. Explain RAD model with the help of diagram.**
- 11. Discuss where we use RAD model.**
- 12. Explain Spiral model with the help of diagram.**
- 13. Explain the drawbacks of RAD model.**
- 14. Explain incremental model with the help of diagram.**
- 15. Discuss the difficulty comes under software effort estimation.**
- 16. Write the various stages where we need estimations in software project.**
- 17. Describe the problems comes under over-estimating and under-estimating any project.**
- 18. Explain expert judgement.**
- 19. Explain case-based reasoning.**
- 20. Explain COCOMO and their types.**
- 21. Explain Function point with an example.**