

Time: 3 hr

Total Marks: 80

Please check whether you have got the right question paper.

Note:

1. Question No. 1 is compulsory.
2. Attempt any three questions from remaining five questions.

- Q.1. a) Describe the project life cycle with suitable diagram. 10
- b) Consider a project with the following functional units: 10
- Number of user inputs = 60
 Number of user outputs = 50
 Number of user enquiries = 45
 Number of user files = 07
 Number of external interfaces = 05
- Assume all complexity adjustment factors and weighting factors are average.
 Compute the function points for the project.
- Q.2. a) Differentiate between functional and non functional requirements in detail. 10
- b) Consider a project to develop a full screen editor of size 512 KLOC. Determine: 10
1. Overall cost and schedule estimates, assume cost drivers as
 Required s/w reliability is high (1.15), product complexity is high (1.15),
 analyst capability is very high (0.86)
 2. Phase wise efforts for: System design phase (0.18), detailed design phase
 (0.24), module code and test phase (0.24)
 3. Phase wise development time for: Plan & requirement (0.40), detailed
 design phase (0.16), integration & test phase (0.32)
 (ai=2.8, bi=1.20, ci=2.5, di=0.32)
- Q.3. a) Explain the different types of contracts in detail. 10
- b) What are the different steps involved in project risk management? Explain. 10
- Q.4. a) What is project scope management? Explain benefits of scope control. 10
- b) Explain the role and responsibilities of project manager. 10

Q.5. a) Explain Fish Bone diagram, Pareto diagram, Quality Control charts techniques for quality control.

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b) Explain spiral model and its advantages.

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Q.6. Short Note (any 4 out of 5)

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- a) Warnier Orr diagram
- b) Extreme Programming
- c) Stakeholder Management
- d) Acquiring Project Team
- e) Earned Value Analysis
