



**B.E / B.TECH DEGREE EXAMINATIONS: APRIL 2015**

(Regulation 2009)

Eighth Semester

**CSE136 : SOFTWARE PROJECT MANAGEMENT**

(Common to CSE & IT)

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

**PART A (10 x 1 = 10 Marks)**

1. ----- is finding out in detail what the users require of the system that the project is to implement.
  - a) Requirement Analysis
  - b) Specification
  - c) Maintenance
  - d) Implementation
2. ----- is the difference between total cost and total income over the life of a project.
  - a) Return On Investment (ROI)
  - b) Net Profit
  - c) Payback period
  - d) Net Present Value(NPV)
3. Give the another name of the “one-shot or once-through” process model.
  - a) Spiral model
  - b) V-process model
  - c) Waterfall model
  - d) Incremental model
4. SLOC stands for
  - a) Self Lines of Code
  - b) Supported Lines of Code
  - c) Source Lines of Compilation
  - d) Source Lines of Code
5. The formula for computing risk exposure is -----
  - a) Risk likelihood \* Risk impact
  - b) Risk likelihood + Risk impact
  - c) Risk likelihood - Risk impact
  - d) Risk likelihood / Risk impact
6. ----- cost represent expenditure that an organization incurs, which cannot be directly related individual projects or jobs.
  - a) Usage charge
  - b) Staff
  - c) Overheads
  - d) External

7. Which of the following type of contracts associated with function point counting?
  - a) Fixed price per unit delivered
  - b) Fixed price contract
  - c) Time and materials contract
  - d) Internal contract
8. Name the chart used for tracking the project progress.
  - a) Gantt chart
  - b) Flow chart
  - c) Pseudo chart
  - d) ASM chart
9. ----- tasks are where progress is governed by rate of slowest performer.
  - a) Additive
  - b) Compensatory
  - c) Disjunctive
  - d) Conjunctive
10. Reliability is come under which of the following category of quality factors.
  - a) Product operation quality factors
  - b) Product revision quality factors
  - c) Product transition quality factors
  - d) Product viewing quality factors

**PART B (10 x 2 = 20 Marks)**

11. What are the phases of a typical project life cycle?
12. What are the steps involved in the cost-benefit analysis?
13. List out the factors that influence the choosing technologies in software project.
14. What are the objectives of activity planning?
15. Give some examples of car journey hazards.
16. What are the categories of costs?
17. List the categories of reporting.
18. Write down the main sections in a requirement document.
19. Write down methods of improving motivation.
20. Give some practical software quality measures.

**PART C (5 x 14 = 70 Marks)**

21. a) (i) Describe the activities covered by a software project management. (7)
- (ii) Explain the problems associated with software projects. (7)
- (OR)**
- b) Discuss the steps involved in software project planning.
  
22. a) (i) Explain the function of waterfall model. (7)
- (ii) a) Discuss about different cost estimation technique. (4)

b) Using the following table for function point weightings: (3)

Calculate the function point count for the system.

Factors	Weights		
	Simple	Average	complex
Number of user i/ps	3	4	6
No of user o/p	4	5	7
No of user in queries	3	4	6
No of files	7	10	15
No of ext interfaces	5	7	10

A system being developed has the following characteristics

No of user inputs 10(simple)

No of user outputs 7(simple)

No of user inquiries 3(average)

No of files 6(average)

No of external interfaces (1 Complex)

**(OR)**

b) (i) Discuss the various software effort estimation techniques. (7)

(ii) Explain the approaches used for identifying the activities or tasks of a project. (7)

23. a) (i) Explain the strategies of planning for risk reduction and controlling problems. (7)

(ii) Elaborate on Boehm's risk engineering breakdown structure. (7)

**(OR)**

b) (i) Describe the categories of resources. (7)

(ii) Explain how to identify resource requirements. (7)

24. a) (i) Explain the charts used to visualize and assess the state of a project. (7)

(ii) Write the steps for change control procedure. (7)

**(OR)**

b) (i) Describe the different types of contracts. (7)

(ii) Explain the typical stages in awarding a contract. (7)

25. a) (i) Explain the general approach for the recruitment process. (7)

(ii) Describe the measures to reduce the problems in group decision making. (7)

**(OR)**

b) Discuss the techniques used to help enhance the software quality.

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