



Code No. : 5314/M

FACULTY OF INFORMATICS
B.E. 4/4 (IT) II Semester (Main) Examination, May/June 2012
SOFTWARE PROJECT MANAGEMENT (Elective – V)

Time: 3 Hours]

[Max. Marks: 75

Note : Answer *all* questions from Part A. Answer *any five* questions from Part B.

PART – A

(25 Marks)

1. What are the main characteristics of a well defined objective ? 2
2. List the contents of a project plan. 3
3. When is a bottom-up approach to software estimation necessary ? 2
4. Define software quality. 3
5. How does the PERT technique take account of the uncertainty surrounding task estimations ? 3
6. Give an example of how software risk can be transferred. 2
7. List the criteria for selecting the neat appropriate process model to be used for software projects. 3
8. Why are discounted cash flow techniques preferred over net profit for purpose of project selection ? 2
9. How can motivation in a team be sustained during the execution of software projects ? 3
10. Differentiate between project management and programme management. 2

PART – B

(50 Marks)

11. a) Enumerate a framework for software project monitoring and control. 6
b) List the tools commonly used for monitoring and tracking projects. 4
12. a) How is planning for risk carried out ? 5
b) How can risk be mitigated in software projects ? 5



13. a) Explain the use of Earned value analysis as a cost monitoring technique. 5
b) How can delayed software projects be brought back on track ? 5
14. a) What are the advantages of distributed and virtual teams ? 5
b) How can leadership be made more effective during the execution of software projects ? 5
15. a) Enumerate the practical software quality measures. 5
b) What are the various software effort estimation techniques ? 5
16. a) What are the stages of the PRINCE-2 approach to project management ? 5
b) Compare the PRINCE-2 and BS6079 approaches to software project management. 5
17. Write short notes on **(any two)** : 10
a) Agile methodologies
b) ISO 9001 : 2000
c) Reliability and Maintainability of software.