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**B.TECH. COMPUTER SCIENCE AND
ENGINEERING (BTCSVI)**

Term-End Examination

June, 2013

**BICSE-009 : SOFTWARE PROJECT
MANAGEMENT (SPM)**

Time : 3 hours

Maximum Marks : 70

Note : Attempt any seven questions. Each question carry equal marks.

1. (a) Is it true that a software product can always be developed faster by having a large development team of software engineers ? Justify your answer. 5
- (b) Give the Role of "review" in product quality assurance. 5
2. (a) What are verification and validation activities in software development ? 3
- (b) What is critical path and why it is important in software development life cycle ? How a critical path can be identified in a small network ? 7

3. Obtain the estimate of project expected completion time and show the critical path. 10

Activities	Three Times Estimates
1 - 2	2 - 3 - 10
1 - 3	2 - 4 - 6
1 - 4	2 - 6 - 10
2 - 5	1 - 1 - 1
3 - 5	4 - 5 - 12
4 - 5	2 - 3 - 4
4 - 6	2 - 5 - 8
5 - 6	3 - 5 - 13

4. (a) Differentiate between ball charts and slip chart. 6
- (b) What are the objectives of software project planning ? 4
5. Discuss the risk management and nature of risk in detail. 10
6. Explain various steps involved in step wise project planning. 10
7. Explain about COCOMO cost estimation model. 10

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| 8. | (a) | Explain the features of SEI Capability Maturity Model CMM. | 4 |
| | (b) | What is function point method ? | 2 |
| | (c) | What are the factors affecting the cost estimation of a software product. | 4 |
| 9. | (a) | Explain different types of Testing. | 5 |
| | (b) | Explain role of Software Reviews. | 5 |
| 10. | | Write short note on : | |
| | (a) | Cost Performance Index | 5 |
| | (b) | Schedule Performance Index | 5 |
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