

**B.Tech. – VIEP – COMPUTER SCIENCE AND
ENGINEERING (BTCSEVI)**

Term-End Examination

00525

June, 2019

BICSE-009 : SOFTWARE PROJECT MANAGEMENT (SPM)

Time : 3 hours

Maximum Marks : 70

Note : Answer any seven questions. All questions carry equal marks.

1. (a) Explain project management cycle. 5
(b) Briefly explain cost and size estimation of software project. 5
2. What is Capability Maturity Model (CMM) ? Explain various levels in CMM. 10
3. What is software quality assurance ? Explain various issues that can be addressed using statistical quality assurance. 10
4. What is Software Configuration Management (SCM) ? Why is it essential to have SCM during and after the software engineering process ? 10

5. Explain various features of MS-Project. 10
6. (a) Explain the use of decision tree in software project management. 5
- (b) Explain how error tracking can be used in project monitoring. 5
7. (a) Explain program verification and validation. 5
- (b) What is Cost Variance (CV) ? How does it contribute in project management ? 5
8. (a) Explain testing tools. 5
- (b) Explain various software project elements. 5
9. (a) Explain the role of project planning in software development. 5
- (b) Explain risk analysis in project management. 5
10. Explain the following in brief : 2×5=10
- (a) Parameters for accessing project state
- (b) Software testing strategies