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Total No. of Pages : 02

Total No. of Questions : 18

**B.Tech.(CSE) (2011 Onwards E-II) (Sem.-7,8)****SOFTWARE PROJECT MANAGEMENT**

Subject Code : BTCS-907

Paper ID : [A2989]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

**SECTION-A****Write briefly :**

1. Software Configuration Management
2. Risk Management
3. Test Automation
4. Cash flow forecasting
5. Change control
6. Software Reliability
7. Earned Value
8. PERT
9. CMMI
10. Project Scheduling

### SECTION-B

11. What is cost estimation? What are different factors that affect the cost?
12. Explain Oldman-Hackman job characteristic model. Elaborate with example.
13. What are different processes involved in software configuration management? Explain.
14. How Risk Management is important in software project management? Explain its nature and types.
15. What is the role of organization and team structures in quality assurance of software? Explain.

### SECTION-C

16. What are various parameters in Earned Value Analysis? How it helps in monitoring and control of any software project?
17.
  - a) What are the various activities involved in software project management? Explain.
  - b) What are different types of contract? Explain contract management.
18. Compare CMMI and ISO models for software quality in detail. How can they control quality of the software?