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Total No. of Pages : 02

Total No. of Questions : 09

**B.Tech.(IT) (2011 Onwards) (Sem.–7,8)**  
**SOFTWARE PROJECT MANAGEMENT**

Subject Code : BTIT-702

Paper ID : [A3050]

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 has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

**SECTION-A**

**Q1) Answer briefly :**

- a) Define software engineering.
- b) Define three P's in Software Project Management.
- c) What are technical reviews?
- d) What is ISO?
- e) What is validation?
- f) What is COCOMO?
- g) What is Software Configuration Management?
- h) What is total quality management?
- i) What is Verification?
- j) What is Risk Identification?

### **SECTION-B**

- Q2) Explain how a software development effort is initiated and finally terminated in the spiral model.
- Q3) Explain change management in software configuration management.
- Q4) What are different types of risks that a project might suffer from?
- Q5) Discuss the principles of Total Quality Management.
- Q6) What is project planning? When does the project planning start and end in the software life cycle?

### **SECTION-C**

- Q7) What are the different categories software development projects according to the COCOMO estimation model? Give examples of software product development projects belonging to each of these categories.
- Q8) Compare various SDLC models. Why spiral model is known as meta model?
- Q9) What are the major phases of the waterfall model of software development? Which phase consumes the maximum effort for developing a typical software product?