

Total No. of Questions: 09

**B.Tech. (IT) (2011 Onwards) (Sem. – 7, 8)
BUILDING ENTERPRISE APPLICATIONS**

M Code: 71979

Subject Code: BTIT-701

Paper ID: [A3049]

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS 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

1. a) Define the term relational design.
b) Describe the role of actor in use case model.
c) What is requirements validation?
d) What is ERP?
e) What are the challenges in building enterprise applications?
f) What are communication protocols?
g) Define enterprise application.
h) State different technical layers in a business application.
i) What is user acceptance testing?
j) What is code coverage?

SECTION B

2. What is configuration management plan? How development environment affects it?
3. What are the skills required to build an enterprise application? How the success of an enterprise application is measured?
4. Explain software engineering methodologies.

5. Explain logical architecture of enterprise application.
6. Differentiate between functional and non-functional requirements.

SECTION C

7. a) Explain why software reliability is important in software engineering?
b) Why documentation of application architecture and design is needed?
8. Compare various SDLC models. Why spiral model is known as meta model?
9. Describe the different levels of testing that need to be performed before rolling out the application. Which of these can be done on client side?

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