C

Reg. No. :

Question Paper Code: 59810

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2018

Elective

Computer Science and Engineering

15UIT910- BUILDING ENTERPRISE APPLICATION

(Common to Information Technology)

(Regulation 2015)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. _____ Layer is used by external systems to access the   CO1- R
   business process.

   (a) Data Access   (b) Presentation   (c) Service Access   (d) Infrastructure Access

2. _____are used to model and represent units of functionality   CO2- R
   or services provided by a system.

   (a) UseCase   (b) Prototype   (c) ER diagrams   (d) DB Architecture

3. _____ is an event-driven XML parser.   CO3- R

   (a) SAX   (b) X Path   (c) DOM   (d) XSLT

4. _____ Measure is used to describe the degree to which the   CO4- R
   source code of a program is tested by a particular test suite.

   (a) Code Coverage   (b) Code Profiling

   (c) Code Review   (d) Dynamic code analysis

5. _____ is an attack on a computer system with the intention of   CO5-R
   finding security weaknesses, potentially gaining access to it, its
   functionality and data.

   (a) Penetration testing   (b) Usability testing   (c) Integration   (d) Acceptance

6. What are the skills required to build an enterprise application? How the success of an Enterprise application is measured? CO1- R

7. How use case modeling helps in inception phase of enterprise application development? CO2- R

8. What are the differences between middleware and web service? CO3- R

9. What is configuration management plan? How development environment affects it? CO4- R

10. Differentiate between globalization and interface testing. CO5- R

PART – C (5 x 16= 80 Marks)

11. (a) Discuss about different type of software engineering methodologies. State and justify any two suitable software engineering methodologies for enterprise application. CO1- App (16)

Or

(b) What are the skills required to build an enterprise application? How the success of an enterprise application is measured? CO1- App (16)

12. (a) Consider a friends address book database maintenance system which maintains all details about friends of a person. Draw a use case diagram with UML notations and write use cases for any two scenarios. CO2- App (16)

Or

(b) What is requirement elicitation? What are its steps? Also write various challenges faced during requirement elicitation. CO2- Ana (16)

13. (a) Choose a proper deployment strategy for theater ticket booking system. Justify your selection. CO3- Ana (16)

Or

(b) An online animal survey application is implemented to collect the vote for the favorite pet animals and display percentage of vote obtained by each pet animal. This application do not allow user to vote more than once. However, it permits the user to change the response if user decides to vote for other animal.
For the above application what type of data architecture and network topologies you will use and explain it in brief manner. CO3- Ana (16)

59810

14. (a) Discuss about strategies to be considered for rolling out enterprise application. CO4- U (16)

<div align="center">Or</div>

   (b) Differentiate between static and dynamic code analysis with an examples. CO4-Ana (16)

15. (a) 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? CO5- U (16)

<div align="center">Or</div>

   (b) Discuss about various types and methods for testing an enterprise application. CO5-U (16)

59810

59810