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Question Paper Code: 59810

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

Elective

Computer Science and Engineering

15UIT910- BUILDING ENTERPRISE APPLICATION

(Common to Information Technology)

(Regulation 2015)

Duration: Three hours

r5 mjuMaximum: 100 Marks

PART A - (5 x 1 = 5 Marks)

1. _____ starts as a result of enterprise analysis and business modeling activities CO1- R
(a) Inception (b) Architecting and Designing
(c) Construction (d) Testing
2. Requirement traceability matrix is used for Requirement _____ CO2 -R
(a) Gathering (b) Analysis (c) Validation (d) Verification
3. Identify the layer that contains Application logic of an Enterprise application? CO3- U
(a) Service Access layer (b) Infrastructure services layer
(c) Data Layer (d) none
4. Infrastructure services layer of an enterprise application comprises of _____ components. CO4- R
(a) auditing (b) caching (c) Logging (d) All of the mentioned
5. _____ testing tests the enterprise application and its interfaces as a whole. CO5- U
(a) Integration (b) Unit (c) System (d) Acceptance

PART – B (5 x 3= 15Marks)

6. List the key ingredients of enterprise application. CO1- R
7. Illustrate the functions of SRS. CO2 -U

8. Analyze the variation between Views and Viewpoint. CO3- U
9. Define Static code Analysis and List its objectives. CO4 -U
10. A software product is ready at the developer site, which testing is most important before rolling out? Who does that testing? CO5- U

PART – C (5 x 16= 80Marks)

11. (a) Outline the steps in life cycle of raising an enterprise application in detail. CO1- U (16)
- Or
- (b) Illustrate the skills required to raise an enterprise application. CO1- U (16)
12. (a) Discuss the elements of use case specification and the types of relationships that can exist among use cases. CO2 -App (16)
- Or
- (b) What is business modeling? With a suitable example explain about AS-IS and TO-BE modeling of business processes. CO2- App (16)
13. (a) Why is business layer considered as the heart of an enterprise application? Discuss the components and design aspects of the business layer. CO3- Ana (16)
- Or
- (b) Discuss the key elements of architecture and design documentation of an Enterprise Application. CO3- U (16)
14. (a) Discuss in detail about the design and construction of business layer components. CO4- U (16)
- Or
- (b) Explain in detail about Dynamic code analysis. CO4 -U (16)
15. (a) Illustrate the importance of performance testing. How the performance testing is performed for enterprise web applications? CO5- U (16)
- Or
- (b) Outline the testing approaches and testing environments required to test an Enterprise application. CO5 -APP (16)