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**Question Paper Code: 59810**

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2024

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. \_\_\_\_\_ 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 of the above
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- Ana (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- U (16)