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**Reg. No. :**

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**Question Paper Code: 49810**

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

Elective

COMMON TO CSE AND IT

14UIT910 BUILDING ENTERPRISE APPLICATION

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer All Questions

PART A - (10x 1 = 10 Marks)

1. Customer facing enterprise applications or front-end systems of an organization are referred to as ----- applications CO1- R
  - (a) Upstream enterprise (b) Downstream enterprise
  - (c) Business enabler enterprise (d) None of these
  
2. Which of the following statements about software engineering activities is true? CO1- U
  - (a) Reverse-engineering refers to the process of improving software.
  - (b) Refactoring refers to the improvement of internal software quality
  - (c) Re-engineering refers to the same activities as reverse engineering.
  - (d) Refactoring is performed before reverse-engineering.
  
3. Which of the following statements about the V-model is true? CO2- R
  - (a) Verification is concerned with whether we build the right system.
  - (b) Validation is concerned with whether we build the system right.
  - (c) Acceptance is a concern of the customer.
  - (d) Integration is a concern of the analyst.

4. ----- pronounce the interoperability and integration requirements of the enterprise applications CO2- U
- (a) Scalability requirements (b) Operating requirements  
(c) Life cycle requirements (d) Interface requirements
5. Which of the following statements about software quality attributes is true? CO3- R
- (a) Interoperability measures how well software can be executed on another platform.  
(b) Integrity measures how well accidental access to software can be controlled.  
(c) Testability measures how correct and complete software is.  
(d) Reliability measures how fast a software executes
6. Which of the following activities is not one of the four things that need to be accomplished by the generic planning task set? CO3- R
- (a) Develop overall project strategy  
(b) Identify the functionality to deliver in each software increment  
(c) Create a detailed schedule for the complete software  
(d) Devise a means of tracking progress on a regular basis
7. Analysis models depict software in which three representations? CO4- U
- (a) architecture interface component (b) cost risk schedule  
(c) information function behavior (d) None of the above
8. -----, this metric is the measure of number of linearly independent paths through a method CO4- R
- (a) Class size (b) Cyclomatic complexity  
(c) Comments-to-code ratio (d) Number of attributes
9. Which of these is not one of the phase names defined by the Unified Process model for software development? CO5- A
- (a) Inception phase (b) Elaboration phase (c) Construction phase (d) Validation phase
10. ----- is used to plan the execution of tests as decided in the test strategy CO5- R
- (a) Test execution (b) Test analysis (c) Test planning (d) Test implementation

PART – B (5 x 2= 10Marks)

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|---|--------|
| 11. Define enterprise applications  | CO1- U |
| 12. What is the role of business process modeling in implementing enterprise? | CO2- U |
| 13. Discuss about different design elements used in enterprise architecture.  | CO3- U |
| 14. State the activities involved in the translation of design to code        | CO4- U |
| 15. Explain the use of integration and performance testing in detail.         | CO5- U |

PART – C (5 x 16= 80Marks)

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|--|----------|------|
| 16. (a) Explain about of life cycle of raising an enterprise applications?   | CO1-U    | (16) |
| Or   |          |      |
| (b) Discuss three key determinants of successful enterprise applications   | CO1 -U   | (16) |
| 17. (a) Explain actors and use cases with suitable example   | CO2 -U   | (16) |
| Or   |          |      |
| (b) Explain Non-functional Requirements ?  | CO2 -U   | (16) |
| 18. (a) Explain enterprise application – An enterprise architecture perspective in detail  | CO3-U    | (16) |
| Or   |          |      |
| (b) Explain in detail about architecture that enables separate applications to work together, but in a decoupled fashion such that applications can be easily added or removed without affecting the others? | CO3- App | (16) |
| 19. (a) Summarize the construction readiness of enterprise application   | CO4-App  | (16) |
| Or   |          |      |
| (b) Construct the technical solutions layers, methodologies of code review, static code analysis, build and testing, dynamic code analysis?  | CO4 -App | (16) |
| 20. (a) Discuss testing levels and testing approach in detail  | CO5- U   | (16) |
| Or   |          |      |
| (b) Discuss the details about Enterprise application with suitable example?  | CO5- U   | (16) |

