A   Reg. No. :

<div style="border:1px solid">Question Paper Code: 49810</div>

B.E./B.Tech. DEGREE EXAMINATION, DEC 2021

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. Requirements are validated to ensure their   CO1- U

   (a) Performance   (b) feasibility

   (c) security   (d) none of the above

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   CO2- U
   enterprise applications

   (a) Scalability requirements   (b) Operating requirements

   (c) Life cycle requirements   (d) Interface requirements

5. ------- is the structure of interconnection and interactions of all the applications in an enterprise and maps to the underlying enterprise business process   CO3- R

   (a) Business architecture   (b) Data architecture

   (c) Application architecture   (d) Technology architecture

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. --------- typically contains configuration objects under source control   CO4- R

   (a) Database server   (b) Application server

   (c) File server   (d) All the above

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 performed to ensure that a standard function/code/module/class works as per the specifications   CO5- R

   (a) Integration testing   (b) System testing

   (c) Acceptance testing   (d) Unit testing

<div align="center">PART – B (5 x 2= 10Marks)</div>

11. Define enterprise applications   CO1- U

12. What is the role of business process modeling in implementing enterprise?   CO2- U

13. Define DMZ.   CO3- U

14. Differentiate between functional and non functional requirements.   CO4- U

15. Explain the use of integration and performance testing in detail.   CO5- U

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PART – C (5 x 16= 80Marks)

16. (a) Explain about of life cycle of raising enterprise applications?   CO1-U   (16)

Or

(b) Determine the key characteristics and applicability of software   CO1 -U   (16)
engineering methodologies

17. (a) What is requirement validation? What are its steps? Also write   CO2 -U   (16)
various challenges faced during requirement validation

Or

(b) Explain actors and use cases with suitable example   CO2 -U   (16)

18. (a) Explain enterprise application – An enterprise architecture   CO3-U   (16)
perspective in detail.

Or

(b) Explain in detail about architecture that enables separate   CO3- App   (16)
applications to work together, but in a decoupled fashion such
that applications can be easily added or removed without
affecting the others?

19. (a) Summarize the construction readiness of enterprise application   CO4-App   (16)

Or

(b) Construct the technical solutions layers, methodologies of code   CO4 -App   (16)
review, static code analysis, build and testing, dynamic code
analysis?

20. (a) Discuss testing levels and testing approach in detail   CO5- U   (16)

Or

(b) Describe performance testing of enterprise application   CO5- U   (16)

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