Reg. No. :

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. How can you express the enterprise applications in terms of their visibility to customers?

2. Give the importance of data harmonization.

3. Interpret ATM transaction process with the help of a use case diagram.

4. What are all the differences between verification and validation processes?

5. Define the terms views and viewpoints.

6. State the advantages of XML.

7. Illustrate the objectives of code review.

8. Relate various code coverage metrics.

9. How is Little's law related to the performance of an application?

10. List the high level strategies that should be considered for rolling out enterprise applications.

PART - B (5 x 16 = 80 Marks)

11. (a) You are assigned a project to raise an enterprise application for a six months old educational institution. Develop a project document by listing the stake holders,

outlining the challenges that would occur while raising the application, methodologies followed for its development and also list the determinants that would measure the quality and success of the enterprise application. (16)

Or

(b) Perform SWOT analysis of any two software engineering methodologies of your choice. (16)

12. (a) Summarize the activities that should be followed during the inception phase of the enterprise application development for a banking enterprise application. (16)

Or

(b) Compare and contrast the '*as-is*' and '*to-be*' process models for the banking enterprise application. (16)

13. (a) Create technical architecture and design for a hospital management system. (16)

Or

(b) Construct the following layers for an enterprise application of your own choice.

   (i) Data architecture and design layer. (8)

   (ii) Infrastructure architecture and design layer. (8)

14. (a) Summarize the construction process of the following solution layers.

   (i) Business layer components (8)

   (ii) Data access layer components (8)

Or

(b) Summarize the following activities with regard to raising banking application.

   (i) Code analysis (8)

   (ii) Build process and unit testing (8)

15. (a) Describe different levels, types and methods of testing enterprise applications in different application environment with suitable examples. (16)

Or

(b) Explain the different types of system testing pointing out its importance while raising enterprise applications with suitable examples. (16)

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