K18U 1674

Reg. No. :

Name :

V Semester B.C.A. Degree (CBCSS-Reg./Sup./Imp.) Examination, November 2018 (2014 Admn. Onwards) Core Course 5B13BCA : SOFTWARE ENGINEERING

Time: 3 Hours

Max. Marks: 40

SECTION - A

1. One word answer

(8×0.5=4)

- a) Which phase is not available in software life cycle ?
 - A) Coding B) Testing
 - C) Maintenance D) Abstraction
- b) In _____ model, each phase is completed with a review by the people concerned with the project.

c) Which one of the following is not a characteristic of good SRS ?

- A) Correct B) Complete
- C) Consistent D) Brief
- d) UML stands for _____

e) Beta testing is done at _____

- f) The primary characteristic of a good design is low cohesion and high coupling. (True or False)
- g) Expansion of FAST is
- and the little h) The context diagram is a DFD is also known as ______

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SECTION - B

Write short note on any seven of the following questions ?

2. What is software process ?

3. What is system testing ?

4. Briefly explain product matrices.

5. Write short notes on evolutionary process model.

6. What is the difference between black box and white box testing ?

7. What are the disadvantages of waterfall model ?

8. What are the different types of requirements ?

9. What is coupling ?

10. What do you meant by requirement validation ?

11. What do you meant by Bottom Up Strategy of Design ?

SECTION - C

Answer any four of the following questions.

12. What are the various levels of system testing ?

13. What are the basic concepts of Object Oriented Design ?

14. Explain various steps of requirement analysis.

15. Write a short note on evolutionary process model.

16. Write notes on various types of software design.

17. Write a short note on Unit testing.

SECTION - D

Write an essay on any two of the following questions.

(5×2=10)

18. Discuss about any two software life cycle model in detail.

19. Explain the structure of a SRS document in detail.

20. Explain the various concepts in Object Oriented Design with suitable examples.

21. Define structural testing . Explain various approaches to structural testing.

$(4 \times 3 = 12)$

(7×2=14)

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