0089849 K19U 2196

Reg. No. : .....

Name : .....

V Semester B.C.A Degree (CBCSS-Reg./Sup./Imp.)
Examination, November- 2019
(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 step of SDLC performs cost benefit Analysis?

i) Feasibility study

ii) Analysis

iii) Design

iv) None of these

b) Which is not a software life cycle model?

i) Spiral Model

ii) Waterfall Model

iii) Prototyping Model

iv) Capability maturity Model

c) SDLC stands for_____.

d) The main purpose of integration testing is to find design errors. **(True/ False).**

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e) Which one of the following is NOT desired in a good Software Requirement Specifications (SRS) document?
   i) Functional Requirements
   ii) Non-Functional Requirements
   iii) Goals of Implementation
   iv) Algorithms for Software Implementation

f) In the context of modular software design, which one of the following combinations is desirable?
   i) High cohesion and high coupling
   ii) High cohesion and low coupling
   iii) Low cohesion and high coupling
   iv) Low cohesion and low coupling

g) _____ is the manner and degree of interdependence between software modules.

h) _____ refers to the degree to which the elements of a module belong together.

SECTION - B

Write short note on any **SEVEN** of the following questions. **(7x2=14)**

2. Differentiate verification and validation
3. What is unit testing?
4. Briefly explain Software Requirement Specification.
5. Differentiate between conceptual and technical design.
6. What is the difference between alpha testing and beta testing?
7. What are the advantages of waterfall model?
8. What are the different types of requirements?
9. What is Abstraction?
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. **(4x3=12)**

12. What are the various levels of system testing?

13. What are DFDs? Explain the various symbol used in DFD_s.

14. Explain the different types of coupling.

15. Write short notes on evolutionary process model.

16. Write a note on types of Design.

17. Explain the different steps in feasibility study.

SECTION-D

Write an essay on any **TWO** of the following questions. **(2x5=10)**

18. Discuss about Waterfall Model in detail?

19. Write short notes on

a) Boundary value analysis

b) Equivalence class testing

20. Explain various steps of requirement analysis.

21. What are the basic concepts of object oriented Design?