



0090134

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).

P.T.O.



- e) Which one of the following is NOT desired in a good Software Requirement Specifications (SRS) document?
- Functional Requirements
 - Non-Functional Requirements
 - Goals of Implementation
 - Algorithms for Software Implementation
- f) In the context of modular software design, which one of the following combinations is desirable?
- High cohesion and high coupling
 - High cohesion and low coupling
 - Low cohesion and high coupling
 - 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)

- Differentiate verification and validation
- What is unit testing?
- Briefly explain Software Requirement Specification.
- Differentiate between conceptual and technical design.
- What is the difference between alpha testing and beta testing?
- What are the advantages of waterfall model?
- What are the different types of requirements?
- What is Abstraction?
- What do you mean by requirement validation?
- What do you mean by Bottom Up strategy of Design?



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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?
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