TB213730V

Reg. No :.....

Name :.....

BCA DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2022

(2021 Admissions Regular,2020 Admissions Supplementary/Improvement,2019 & 2018 Admissions Supplementary)

SEMESTER III - CORE COURSE (BCA (CLOUD TECHNOLOGY AND INFORMATION SECURITY MANAGEMENT)

BCA3B08B18 - SOFTWARE ENGINEERING

Time : 3 Hours **Maximum Marks : 80**

Part A

I. Answer any Ten questions. Each question carries 2 marks **(10x2=20)**

1. Explain Business process engineering.
2. Enumerate the phases of SDLC.
3. Define Economic feasibility.
4. Define Software Prototyping.
5. Identify the two major types of requirements.
6. List the characteristics of a bad software design.
7. Describe modular design concept of software development.
8. Write a note on UI design.
9. Briefly explain unit testing.
10. Write a note on Incremental and Non incremental testing.
11. What is Software Cost Estimation? Specify any 2 techniques used for finding cost estimation.
12. What is Error Tracking?

Part B

II. Answer any Six questions. Each question carries 5 marks **(6x5=30)**

13. Explain the Software Engineering paradigms in detail.
14. Explain Behavioral model. How do we represent it?
15. Discuss Functional requirements.Explain with an example. Differentiate functional requirement with Non-functional requirement.
16. Define coupling. Distinguish various types of coupling.
17. Explain the factors that determine Effective Modular Design.
18. Describe white box testing. Discuss various methods in white box testing and also mention its advantages and disadvantages
19. Explain Grey box testing .How is it differ from black box testing?
20. Explain the steps involved in Project estimation.
21. Describe Function point model and its types.

Part C

III. Answer any Two questions. Each question carries 15 marks **(2x15=30)**

22. Explain in detail about Requirement engineering process with the help of a neat diagram.
23. Explain User Interface (UI) design and explain different activities involved during UI design.

24. Explain the following (i) Structural testing (ii) Integration testing (iii) Validation testing (iv)White Box Testing.
25. Discuss various activities involved in the planning phase of a software project.