



**K22U 1510**

Reg. No. : .....

Name : .....

**IV Semester B.C.A. Degree CBCSS (OBE) Regular/Supplementary/  
Improvement Examination, April 2022  
(2019 Admission Onwards)  
Core Course  
4B08BCA : SOFTWARE ENGINEERING**

Time : 3 Hours

Max. Marks : 40

**PART – A  
(Short Answer)**

Answer **all** questions : **(6×1=6)**

1. What do you mean by Software ?
2. \_\_\_\_\_ document is the final outcome of the requirements analysis and specification phase.
3. The GUI part of software system is almost always developed using \_\_\_\_\_ model.
4. ADT stands for \_\_\_\_\_
5. RAD stands for \_\_\_\_\_
6. DFD stands for \_\_\_\_\_

**PART – B  
(Short Essay)**

Answer **any 6** questions : **(6×2=12)**

7. What is functional independence of modules ?
8. What is the main objective of code walk-through ?
9. What do you mean by testing ?
10. Explain control flow graph.
11. What do you mean by feasibility study ?

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12. What do you mean by multiple inheritance ?
13. What do you mean by structured programming ?
14. How is the SRS document validated ?

**PART – C**  
**(Essay)**

Answer **any 4** questions :

**(4×3=12)**

15. What is the use of software documentation ?
16. Explain importance of standard style of coding.
17. Explain SDLC.
18. Explain main two approaches in software design.
19. What is the role of requirement analysis in software design ?
20. Mention the characteristics of a good software design.

**PART – D**  
**(Long Essay)**

Answer **any 2** questions :

**(2×5=10)**

21. Levels of software product testing.
  22. Explain different approaches of software design.
  23. Characteristics of a good SRS document.
  24. Discuss the life cycle of classical waterfall model.
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**K21U 1074**

**Reg. No. : .....**

**Name : .....**

**IV Semester B.C.A. Degree CBCSS (OBE) Regular Examination, April 2021  
(2019 Admission Only)  
Core Course  
4B08BCA : SOFTWARE ENGINEERING**

**Time : 3 Hours**

**Max. Marks : 40**

**PART – A**

**(Short Answer)**

**Answer all questions.**

**(6×1=6)**

1. SDLC stands for
2. What is Slack Time ?
3. Explain Unit Testing.
4. SRS document is formal specification of system. True or False.
5. UML stands for
6. RAD stands for

**PART – B**

**(Short Essay)**

**Answer any 6 questions.**

**(6×2=12)**

7. What do you mean by Software engineering ?
8. Differentiate Programs and Products.
9. Discuss the importance of feasibility study in software development.
10. Explain Cohesion and Coupling.
11. Explain Multiple Inheritance.

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12. What is code inspection ?
13. Explain Alpha and beta testing.
14. What is the need of validation ?

PART - C

(Essay)

Answer any 4 questions.

(4×3=12)

15. Explain different types of Software Development Projects.
16. What is requirement analysis ?
17. Explain main classifications of design activities.
18. Explain different approaches of software design.
19. Advantages of object oriented design.
20. Differentiate verification and validation.

PART - D

(Long Essay)

Answer any 2 questions.

(2×5=10)

21. Discuss different software life cycle models.
22. Explain different types of testing.
23. Explain importance and objectives of software design.
24. Discuss various steps of requirement analysis.