

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN  
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)

Chromepet, Chennai - 600 044.

B.Sc.CGS - END SEMESTER EXAMINATIONS - NOV'2024

SEMESTER - V

**21UCGCT5007 - Software Engineering and Testing**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### **Section B**

Answer any **SIX** questions ( $6 \times 5 = 30$  Marks)

1. Classify the differentiate between waterfall and incremental model.
2. Describe the eliciting requirements with an example.
3. Predict the primary difference between structured analysis and object-oriented analysis.
4. Describe the golden rules of user interface design.
5. What are the various testing strategies to software testing?
6. Relate about personal and team process models in software development.
7. Classify the different user interface design process.
8. Examine the necessity of validation testing in software testing.

### **Section C**

Answer any **THREE** questions ( $3 \times 10 = 30$  Marks)

9. Describe interactive and spiral model for software life cycle and discuss various activities in each phase.
10. Classify the steps in developing use cases with an example.
11. Determine and explain in detail about all modeling technique in software requirements.
12. Relate the principles of component level design patterns in software engineering.
13. Infer and explain in detailed about Black-box and White-box testing.

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