

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.

BCA END SEMESTER EXAMINATIONS NOVEMBER -2023

SEMESTER - V

**20UACT5011 - 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. Sketch the generic process framework activities in software process.
2. Explain Waterfall model.
3. What are the factors need to consider while construct a system model? Explain.
4. Prepare the elements of Analysis model.
5. Explain Product Engineering with example.
6. Predict the challenges in white box testing.
7. Compare domain testing with user documentation testing.
8. Differentiate top down integration testing with bottom up integration testing.

### **Section C**

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

9. Examine the working principles of CMMI process model.
10. Justify the working principles in the different phases of united process.
11. Illustrate the tasks in requirement engineering.
12. Classify system testing.
13. Assess state based or graph based testing.

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