

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 APRIL-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. Illustrate the importance of Layered Technology in Software process.
2. Describe the process of building the Analysis Model.
3. Differentiate White Box and Black Box Testing.
4. Explain the importance of Acceptance Testing.
5. Illustrate Business Process Engineering and System Modelling.
6. Prepare the list of Requirements Engineering steps to be performed in Software Development.
7. Show the importance of Boundary Value Analysis with appropriate example in path testing.
8. Differentiate Unit and Integration Testing in detail.

Section C

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

9. Describe Software Process Framework, Generic View, Patterns and Assessment.
10. Prepare a sample Incremental and Waterfall Process Model.
11. Examine and develop an use-case for a sample college website and explain it.
12. Discuss on principles of Testing with example.
13. Evaluate and appraise the importance of Basis Path Testing in detail.
