

Roll.No.

24UDSET5A01

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. Cs with DS - END SEMESTER EXAMINATIONS - NOVEMBER 2025
SEMESTER - V

24UDSET5A01- Mobile Application Development for Machine Learning

Total Duration : 1 Hrs.30 Mins.

Total Marks : 40

Section B

Answer any **TEN** questions ($10 \times 2 = 20$ Marks)

1. What is Android?
2. Mention any two User Interface Design Elements used in Android.
3. How do you convert a TensorFlow model (.pb) into a TensorFlow Lite (.tflite) model?
4. What is the role of the Layout file in TensorFlow Android App development?
5. Define Intent and its types.
6. What is animation in Android?
7. What is TensorFlow Lite?
8. What is the significance of Activity code in integrating TensorFlow Lite with Android apps?
9. Write a short note on building a simple Android application.
10. What is an Activity in Android?
11. What is model optimization in TensorFlow Lite?
12. Write Activity code to run a TensorFlow Lite model on user input data.

Section C

Answer any **FOUR** questions ($4 \times 5 = 20$ Marks)

13. Explain the procedure for installing and configuring Eclipse for Android development.
14. Describe the anatomy of an Android Application with a neat diagram.
15. Design a mobile user interface for a registration form using suitable layouts and widgets in Android.

Contd...

16. Discuss the steps involved in loading a TensorFlow Lite model and performing predictions.
17. Explain the procedure to integrate TensorFlow Lite model into an Android application.
18. Analyze how different layout types (Linear, Relative, and Constraint) affect the performance and usability of an Android application.
