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.DS - END SEMESTER EXAMINATIONS - NOV'2024
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 the purpose of view in Android application?
2. How do you build an android project?
3. Define broadcast receiver and content providers.
4. List out the types of intents.
5. Define constraint Layout in android studio.
6. Differences between grid layout and linear layout.
7. What is the role of mobilenet in image classification?
8. How do you save the model?
9. Why is optimization necessary for machine learning models on mobile and edge devices?
10. Define tensors.
11. How do you load a tensorflow lite model from the assets folder in an android app?
12. How is the result of tensorflow lite model classification displayed to the user in the android app?

Section C

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

13. Explain fundamental building blocks in android.
14. Explain the intent structures.
15. How do linear layout and constraint layout differs intents of flexibility and layout complexity?
16. Explain the benefits of using quantization for optimizing machine learning models on mobile devices.
17. Explain the key components of tensorflow lite and their functions.
18. Explain the process of converting a tensorflow model for use on mobile devices using tensorflow lite.

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