

Name:	
Enrolment No:	

UPES
End Semester Examination, December 2024

Course Name : Mobile Application Development	Semester. : 5th
Program : BCA (ALL)	Time : 03 hrs.
Course Code. : CSBC3022	Max. Marks: 100

Instructions:

SECTION A
(5Qx4M=20Marks)

S. No.	Question	Marks	CO
Q 1	Explain the role of any three essential components of Android development.	4	CO1
Q 2	Design a step-by-step guide for beginners to create a new project in Android Studio, ensuring clarity and efficiency.	4	CO2
Q 3	Define the purpose of a Layout Manager in an Android app and list two common layout types.	4	CO3
Q 4	Which is better for customizing a single component: theme or style? Justify your answer.	4	CO4
Q 5	Define Intent Filters and explain their importance in the context of Android app components.	4	CO4

SECTION B
(4Qx10M= 40 Marks)

Q 6	Describe history and growth of Android, analyzing how key features in different Android versions have shaped the mobile industry.	10	CO1
Q 7	Name the lifecycle methods of an Android activity and briefly describe their purposes.	10	CO2

Q 8	<p>Design an XML layout that includes a vertically arranged Button, TextView, and EditText with padding and background color for the layout.</p> <p style="text-align: center;">OR</p> <p>Compare the differences between ConstraintLayout and LinearLayout. Provide an example of a use case where each layout is preferable.</p>	10	CO3
Q 9	<p>Explain how to create and use a custom vector drawable for a button icon. Provide the XML code.</p>	10	CO4
<p>SECTION-C (2Qx20M=40 Marks)</p>			
Q 10	<p>Design an XML code for defining a style that customizes the appearance of a button (e.g., background color, text size, and padding)</p>	20	CO2
Q 11	<p>Design an XML code for defining a style that customizes the appearance of a button (e.g., background color, text size, and padding).</p> <p style="text-align: center;">OR</p> <p>Describe the steps to publish an Android app on Google Play. Include details about app versioning, APK signing, and submitting the app for review.</p>	20	CO4