G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.

UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2024.

(For those admitted in June 2021 and later)

PROGRAMME AND BRANCH: B.C.A.

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
IV	PART-III	CORE	U21CA405	ANDROID PROGRAMMING

Date & Session: 16.11.2024 / AN **Time : 3 hours** **Maximum: 75 Marks**

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks) Answer ALL Questions.
CO1	K1	1.	What is the base operating system for Android? a) iOS b) Windows95 c) Linux d) Windows XP
CO1	K2	2.	Which SDK Manager tool helps to download necessary tools for development? a) Android Tools b) Android SDK Manager c) Android Build Tools d) Android Build Manager
CO2	K1	3.	Which component represents a single screen in an Android app? a) Service b) Activity c) Broadcast Receiver d) Fragment
CO2	K2	4.	Which type of Intent is used to launch another activity? a) Explicit Intent b) Implicit Intent c) Broadcast Intent d) None of the above
CO3	K1	5.	Which layout is best for overlapping views? a) GridLayout b) FrameLayout c) TableLayout d) ButtonLayout
CO3	K2	6.	Which method is used to set up the Action Bar in an activity? a) showActionBar() b) setSupportActionBar() c) displayActionBar() d) setupActionBar()
CO4	K1	7.	Which component is used to display an image in Android? a) Button b) Text View c) Image View d) List View
CO4	K2	8.	What is the purpose of a Spinner in Android? a) To display a list of buttons b) To display a progress bar c) To display a drop-down list of selectable items d) To display a checkbox
CO5	K1	9.	What type of image format is NOT supported by ImageView? a) PNG b) JPG c) EXE d) GIF
CO5	K2	10.	Which database is natively supported by Android? a) MySQL b) PostgreSQL c) MongoDB d) SQLite
Course Outcome	Bloom's K-level	Q. No.	SECTION – B (5 X 5 = 25 Marks) Answer ALL Questions choosing either (a) or (b)
CO1	K3	11a.	What is Android? Explain its key features. **(OR)**
CO1	K3	11b.	What is Android Code Completion? and Explain its Command format.
CO2	K3	12a.	Describe Activity class () and its role in event handling. **(OR)**
CO2	K3	12b.	Write short note on Fragment in Android.

Course Outcome	Bloom's K-level	Q. No.	
CO3	K4	13a.	Explain the concept of Table Layout in Android.
			(OR)
CO3	K4	13b.	How do you add action items to the Action Bar? Explain with example.
CO4	K4	14a.	Illustrate Time Picker View in Android.
			(OR)
CO4	K4	14b.	How do you display an image using ImageView? Explain with steps.
CO5	K5	15a.	Explain Grid View and its usage in Android.
			(OR)
CO5	K5	15b.	Explain the methods available for saving and loading user preferences in Android applications.

Course Outcome	Bloom's K-level	Q. No.	SECTION – C (5 X 8 = 40 Marks) Answer ALL Questions choosing either (a) or (b)
CO1	K3	16a.	Illustrate the Architecture of Android.
			(OR)
CO1	K3	16b.	Describe the steps to create Android virtual device.
CO2	K4	17a.	Explain the lifecycle of an Android Activity.
			(OR)
CO2	K4	17b.	Discuss the Intent object and its filters with examples.
CO3	K4	18a.	What is a Layout? Explain different types of layouts available in Android.
			(OR)
CO3	K4	18b.	Describe how to manage and handle screen orientation changes in Android.
CO4	K5	19a.	How to use the basic views in Android to design your user interface? Explain each view with examples.
			(OR)
CO4	K5	19b.	What is the difference between Radio Button and Check Box? Explain their use cases.
CO5	K5	20a.	How can a menu be created in a UI application?
			(OR)
CO5	K5	20b.	Explain the followings: i) Web View in Android SDK. ii) SQLite database creation and Method.