

KADI SARVA VISHWAVIDYALAYA**BE SEMESTER-VI (CE/IT/CSE) Examination April - 2025****Subject Name: Android Programming****Subject Code: CT604A-N****Date: 12/4/2025****Time: 12:30pm to 03:30pm****Total Marks: 70****Instructions:**

1. Answer each section in separate answer sheet.
2. All questions are Compulsory.
3. Indicate clearly, the option you attempt along with its respective question number.
4. Use the last page of main supplementary of rough work.

Section-I

Q-1 (A) What is Layout in android ? List out types of Layout in Android . Explain any one of them . [5]

(B) write an android application to handle android life cycle methods. [5]

(C) what is SDK? and what is DVM ? Explain in Detail. [5]

OR

(C) What is an Android Manifest file ? Give an example of an android manifest file . [5]

Q-2 (A) Describe the following terms in details : [5]

a) OHA b) ViewGroup

(B) explain any two ways to handle button click event in an android app. [5]

OR

Q-2 (A) write an android app on working with styles and themes. [5]

(B) Demonstrate the use of radio group and radio button with an example . [5]
(java+xml)

Q-3 (A) list types of animation in android and explain any of them in detail with an example. [5]

(B) State about the SQLite Database. Create an application to perform Retrieve(Select) and Update operation on the database. [5]

OR

Q-3 (A) write an android application which will display a bitmap image in an image view component on the click of a button. [5]

(B) What is Shared Preference? Explain with suitable example to store and retrieve data from Shared Preference. [5]

Section-II

Q-4 (A) List the various ways to notify in android app to the user . explain any one with an example. [5]

(B) Describe the following term in detail [5]

a) ContentResolver b) Content Provider

(C) Implement an application and write steps to play audio file in android application. [5]

OR

(C) Implement an application and write steps to play video file in android application. [5]

Q-5 (A) Explain in brief about Android networking API. [5]

(B) Implement an android application and write code to send SMS using SMS manager. [5]

OR

Q-5 (A) what is webkit ? explain steps to Building Web Extensions using WebKit. [5]

(B) explain steps of making and receiving phone calls in android app . [5]

Q-6 (A) write an application to store product details (product name ,ID and Price) into product table with the help of content provider. [5]

(B) Describe following concepts. [5]
a)concept of live folder b) concept of URI

OR

Q-6 (A) list various methods of contentResolver class and explain any one in detail with an example. [5]

(B) explain the service and broadcast receiver component. [5]