UCAD103

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T.Y. BCA (Semester – V)
EXAMINATION MAY 2023
COMPUTER SCIENCE ELECTIVE -MOBILE APPLICATION DEVELOPMENT

[Time: 2 Hours]   [Max. Marks:60]

Instructions: i) Question 1-6 are compulsory
ii) Figures to the right indicate full marks.

Q.1   A. Fill in the blanks: 5x1=05
   1) _____ attribute is used to show a default text if no text is set in the TextView.

   2) _____ is an interface for publishing and consuming data through an URI addressing model.

   3) The LocationManager class provides the ability to monitor a specific location using the _____ method.

   4) _____ is used to display items in a two-dimensional scrolling grid.

   5) _____ is the default value of the android:screenOrientation attribute in the manifest file.

   B. Answer the following: 5x1=05
   1) Name any two components that constitute the mobile ecosystem.
   2) Name any two Specialized Fragments in Android.
   3) Name any two content providers included in android.
   4) Name any two attributes of Image View.
   5) Name any two methods of getting location data of a mobile device.

Q.2   A. List the 4 major components within an android application.   (02)

       B. Differentiate between Options Menu and Context Menu.   (03)

       C. Draw a neat labelled diagram showing different events in the lifecycle of an (05)
          activity and explain any two events.

Q.3   A. List any two states specific to fragments.   (02)

       B. Differentiate between View and ViewGroup and state any two common attributes (03)
          used under Views and ViewGroups.

       C. Explain any two development approaches of mobile application Development in   (05)
          detail.

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Q.4 A. Give 1 point of difference between Geo-coding and Reverse Geo-Coding. (02)

B. Write a code snippet to send and receive data from one activity to another using intents. (03)

C. Comment on choosing the best storage option in android. (05)

Q.5 A. What is an AutoComplete TextView? (02)

B. Write a code snippet to send a SMS programmatically and list the arguments used in the function call. (03)

C. Explain any five layouts available in Android. (05)

Q.6 A. List the permissions required to be added in the manifest file to allow access of external storage (02)

B. Explain the URI query string format used to query a content provider with help of an example. (03)

C. Explain the ways to handle a click event of a button with the help of a code snippet. (05)