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Shree Damodar College of Commerce & Economics, Margao-Goa
TY BCA., Semester-V, Semester End Examination, NOVEMBER 2023
MOBILE APPLICATION DEVELOPMENT(CAD-103)

Duration: 2 hours

Total Marks: 60

Instructions: i) All questions are compulsory.

ii) Figures to the right indicate full marks

Q.1. A. Match the following pairs:

(5x1=05)

- | | |
|----------------------|---|
| 1) SDK | a) UI widget in Android used for displaying images. |
| 2) ArrayAdapter | b) collection of software tools, libraries, and resources that developers use to create applications for a specific platform. |
| 3) ImageView | c) convert geographic coordinates into location information. |
| 4) Reverse Geocoding | d) display the data in a list. |
| 5) android:inputType | e) used to specify a custom input method. |
| | f) convert location information into geographic coordinates. |
| | g) only display images from the internet. |
| | h) only used for password fields in Android. |

B. State whether the following statements are TRUE or FALSE:

(5x1=05)

- 1) ListView is a type of data structure used to store and manage data in memory.
- 2) android:layout_alignParentLeft="true aligns the view to the left of the parent view.
- 3) setType is used to specify the URI for the email.
- 4) The indeterminate progress bar is commonly used to indicate that a task is in progress specifying the exact completion status.
- 5) A date and time pickers are used for selecting dates only.

Q.2. A. Explain the main purpose of using SharedPreferences in Android application development.

(02)

- B. List and explain three different types of layouts commonly used in Android application development. (03)
- C. Explain the significance of the getDefault() method and the five arguments passed to the sendMessage() method while sending a SMS message in an Android application. (05)
- Q.3. A. Explain the concept of a toast with the help of syntax. (02)
- B. State and explain the methods used in fragments. (03)
- C. Illustrate and analyze the lifecycle of an activity with the help of a flowchart. (05)
- Q.4. A. State and explain the units of measurement used in Android UI design. (02)
- B. Compare View and ViewGroup. (03)
- C. Explain the purpose of specifying a projection and retrieving specific data from contacts when querying data using a Content Provider in Android, with the help of examples. (05)
- Q.5. A. Explain progressive and cross-platform applications. (02)
- B. Differentiate between dialog and preference specialized fragments. (03)
- C. Explain the overview of Android's SQLite in detail. (05)
- Q.6. A. Define WebView and state the permission used in the manifest file. (02)
- B. Explain the structure of a content URI used to query a content provider. (03)
- C. Explain the Android architecture with the help of a diagram. (05)
