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SPECIALIZATION IN CYBER SECURITY (CS)
EXAMINATION : DECEMBER - 2025
SEMESTER - VI
Sub: Current Trends in IT (CTIT)(BCA-642-20) /
Mobile Application Development (BCA-CS-642-20)

Date : 31/12/2025**Total Marks :60****Time: 10.00 am to 12.30 pm**

Instructions:

1. All questions are compulsory unless and otherwise stated.
 2. Bold figures to the right of every question are the maximum marks for that question.
 3. Candidates are advised to attempt questions in order.
 4. Answers written illegibly are likely to be marked zero.
 5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
 6. Draw neat and labelled diagrams wherever necessary.
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Q.1. Fill in the blanks.**(5)**

1. The Android emulator is an _____
a) SDK
b)ADB
c) ADV
d) AVD
2. - - - - - handle communication between Android OS & application .
a) acitivity
b) Broadcast receivers
c) fragment
d)layout
3. To add elements at runtime use----
a) toast
b)array
c) array list
d)menu
4. There are ____types of intent.
a) 3
b)1
c) 5
d)2
5. In Android Studio, each new activity created must be defined in - - - - . . .
a) layout file
b)view
c) android manifest file
d)dvm

Q.2. State True/False.**(5)**

1. Android understandable form of code is .dex format.
2. In android studio, mipmap folder is used to store icons.
3. Android is developed by Apple.
4. In android sub activities are called as fragment.
5. To develop app using android, one need to purchase license from Google.

Q.3. Answer the following. (Solve any 5)**(10)**

1. List any two features of Android.
2. What is Gradle?
3. Mention two uses of AndroidManifest.xml
4. What is SQLite?
5. Define View in Android. Give one example.
6. What is a Layout in Android?

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. Explain Android Activity Lifecycle.
2. Describe different layouts in android.
3. In what situation implicit intent is used? Explain with example.
4. Briefly explain the components of android.
5. What are the three menus in android? Write down the code for menu.xml file
6. Explain significance of Content values & rawquery() method used in database handling. Give example.
7. Explain any two types of service.

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Explain the architecture of Android with a neat labelled diagram.
 2. Write a program to develop a media player application in Android that can play audio.
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