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SPECIALIZATION IN CYBER SECURITY (CS)
EXAMINATION : MAY- 2024
SEMESTER - VI

Sub: Android / Current Trends in IT (CTIT)(BCA-642-18/BCA-642-20/BCA-642) / Mobile Application Development (BCA-CS-642-20)

Date :23/05/2024   **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.*

Q.1. **Fill in the blanks.** **(5)**

1. _____ initially developed android.

   a) Microsoft   b)HP

   c)Google   d)Apple

2. _____is used to compiling & packaging apps.

   a) gradle   b)res

   c) interpreter   d)manifest

3. _____is the android's virtual machine.

   a) JVM   b)ART

   c) Virtual Box   d)Dalvik

4. All activities & services are registered in _____

   a) build.gradle   b) android manifest.xml

   c) settings.gradle   d)mainactivity.java

5. Intent in android is _____

   a) a type of service   b)a memory management tool

   c) a debugging technique   d)a messaging object

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

1. A fragment is sub activity.

2. There are bound & unbound types of services.

3. In android there are 3 menus.

4. In android JVM converts the code into Dalvik executables.

5. In android manifest file images are stored.

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

1. What is LogCat?

2. Write down the syntax of Toast.

3. What are the contents of mipmap folder?

4. What is emulator in android?

5. What is DVM?

6. What do you mean by content provider?

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

1. List methods in activity life cycle.

2. Explain android folder structure.

3. Write down the java code to add your friend's name from edit text to listview.

4. Explain different layouts in android.

5. Write down the Java code to create pop up menu.

6. List the layers in android architecture.

7. How to display image in an image view? (Write Java Code.)

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

1. Write down the java code to save records of students (roll, name) into SQLite database

2. Explain 2 types of intents with example.

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