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1505N441

Candidate's Seat No : _____

MSc IT (MA & UID) Sem.-2 Examination

MSCMA-407

Basic Android Programming

Time : 2-30 Hours]

May-2025

[Max. Marks : 70

Instructions:

- **Figures to the right indicate Full Marks.**
- **Neat diagrams must be drawn wherever necessary.**
- **Do not write anything on the question paper.**

Q-1) Answer the following questions.

(10*01=10 Marks)

01. What is Android?

A. Operating System. B. Web browser. C. Word Processor. D. Game Engine

02. Which component is used to start a new activity?

A. Intent. B. Service. C. Content Provider. D. Broadcast

03. The file which contains essential information about the Android app is:

A. Activity.java B. AndroidManifest.xml C. MainActivity.java D. build.gradle

04. Which of the following is not an Android component?

A. Activity. B. Fragment. C. Content Provider. D. Compiler.

05. Which Android component is used to perform background operations?

A. Broadcast Receiver. B. Activity. C. Content Provider. D. Service.

06. Which tool is used to develop Android applications?

A. MS Word. B. Android SDK. C. Photoshop. D. Adobe XD

07. A _____ is used to display a drop-down list.

A. RadioButton. B. CheckBox. C. Spinner. D. EditText.

08. What is the purpose of a Toast in Android?

A. Display a popup menu C. Play sound
B. Show a temporary message D. Show a dialog

09. Which method handles button click events?

A. onTextChanged() B. onClick() C. onStart() D. onCreate()

(P.T.O)

NHh-2

10. Which UI element is used to input text in Android?

A. Button. B. TextView. C. EditText. D. Spinner.

Q-2) Answer the following questions.

(05*02=10 Marks)

1. List out versions of Android.
2. What is application? List out types of application.
3. ADB stands for _____.
4. What is Drawable file in Android?
5. Who is the founder of Android?

Q-3) Answer the following questions.

(10*02=20 Marks)

1. Define an Activity in Android.
2. What is the use of AndroidManifest.xml?
3. What are the main components of an Android application?
4. What is Android?
5. Name any two components of Android architecture.
6. Define an Intent in Android.
7. What is the difference between a View and a ViewGroup?
8. Name any four types of Views used in Android UI.
9. What is event handling in Android?
10. What is the purpose of the onCreate() method in an Activity?

Q-4) Answer the following questions. (any five)

(05*03=15 Marks)

1. Differentiate between Activities and Services in Android.
2. Explain the use of different Views like Button, TextView, and ImageView.
3. Describe any three core features of Android.
4. What is the difference between LinearLayout and RelativeLayout?
5. What are Toasts and Dialogs? Give one use case for each.
6. What is the use of Themes in Android applications? Give an example of applying a theme.

Q-5) Answer the following questions.

(03*05=15 Marks)

1. What is Service? Explain the service lifecycle.

OR

1. What is Layout? Explain Linear layout, Grid layout.
2. What is Menu? Explain context and popup menu.

OR

2. What is Manifest file in Android? Explain in brief about it.
3. Explain View & ViewGroup. Explain basic cycle of a view.

OR

3. Describe the Android application lifecycle and explain any three lifecycle methods.