

Duration: 2hrs

Max Marks: 60

Instructions:

- 1) All Questions are Compulsory.
- 2) Start each question on fresh page.
- 3) Figures to the right indicate maximum marks.

Q1) Answer the following (ANY FIVE) (5X2=10)

- a. List the Component of Android.
- b. Construct the Syntax of Toast Notification.
- c. State different layouts available in Android.
- d. Compare Activity and Fragment.
- e. What is Intent ? State the type of Intent.
- f. Discuss any four widgets in Android.
- g. Why is XML used for frontend development in Android?

Q2) Answer the Following (ANY FIVE) (5\*2=10)

- a. What's Content Provider in Android?
- b. What's Broadcast Receiver in Android?
- c. Difference Between View and View Group in Android
- d. Express the use of Bundle in Android.
- e. What is an Adapter in Android
- f. What are the four essential items in every Android project?
- g. What is the use of WebView in Android ?

Q3A) Analyse which is best storage option in Android. (5)

OR

Q3B) Explain Different Layouts in Android with Neat Diagrams. (5)

Q3C) Explain three methods of deploying APK files on an Android device. (5)

Q4A) Explain the ways to handle click events of the button with a code snippets (5)

OR

Q4B) Summarize with a Neat Diagram the architecture of Android. (5)



Q4C) Illustrate with Neat Diagram Activity Life Cycle . (5)

Q5A) Explain the two techniques to handle changes in Screen Orientation . (5)

OR

Q5B) Define APK? Explain the steps involved in Preparing App for release ? (5)

Q5C) Explain the tasks involved in Publishing the app in Google play store? (5)

Q6A) Explain Fragment life cycle in Android (5)

OR

Q6B) Explain Shared Preferences in Android (5)

Q6C) Write Short note on ( Any two) (5)

- a. GPS
- b. SQLite
- c. Notifications in Android

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