

## **Mobile Application Development**

### **Unit -1 Important Questions**

1. Explain the History of Mobile Technology?
2. Explain Different Types of Mobile Technology?
3. Explain Key Mobile Application Services?
4. Advantages & Disadvantages of Mobile Applications?
6. Explain the Architecture of Android?
7. Explain the features of Android OS?
8. Explain Android Application components?
9. Exploring the Development Environment?
10. Explain the Required tools for Android studio (Obtaining the Required Tools)?
11. Explain the steps for Launching Your First Android Application?
12. Explain Debugging Your Application?
13. Explain the procedure to publishing your android Application?
14. What are Json and SDK?
15. Explain android studio components?

### **Unit -2 Important Questions**

1. Explain the life cycle of android activity.
2. Explain fragments and their life Cycle.
3. Explain the intent and its types.
5. Explain ViewGroup. Explain different types of ViewGroups supported by Android. ( Different layouts linear, absolute, relative, frame, constraint, Scroll View, List view, Grid view)
6. Explain about adapting to Screen Orientation by using anchoring Views and different layouts for each orientation.
7. Discuss about managing Changes to screen orientation.
8. Explain the action bar in detail.
9. Explain Creating the user interface programmatically.
10. Explain different types of views.
  - a) basic views
  - b) picker views
  - c) list View and spinner View.
11. Discuss about list, dialog, and preference fragments?
12. Explain the Image view and image switcher with an example.
13. Write a note on the Options menu, context menu and additional Views.
14. Discuss about listening for UI notifications.

#### **Unit -4 Important Questions**

1. Explain content provider?
2. Mention the types of maps?
3. What is database Helper Class?
4. What is data binding?
5. Mention the different event handlings?
6. Mention the different ways to access the SD cards in an android?
7. Create an Application to send Email.
8. Create an Application to develop Login Window Using UI Controls.
9. Explain the steps of generating APK files?
10. What is the use of APK file?
11. Explain the Role Of GPS?
12. Explain the Steps to create, open, and close the database cursor?

#### **Unit -3 Important Questions**

1. Define ViewGroup. Explain different types of ViewGroups supported by Android. (Refer 2<sup>nd</sup> unit for Answer).
2. Mention the different types on Layouts in user interface.( Refer 2<sup>nd</sup> unit for Answer)
3. What is theme? And How to apply a style as a theme?
4. What are the different types of menu? Explain them?