



SIDDHARTH GROUP OF INSTITUTIONS :: PUTTUR
Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code : Mobile Applications And Services (18CS5023) **Course & Branch:** M.Tech.- CSE

Year & Sem: II M.Tech. & I Sem

Regulation: R18

UNIT – I

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| 1. a) Write about Android SDK Features | 6M |
| b) What Android Has That Other Platforms Don't Have? Explain? | 6M |
| 2. Explain Android Software Stack framework with neat figure. | 12M |
| 3. a) What is virtual device and SDK manager? Explain. | 6M |
| b) What is manifest? Write application of manifest. | 6M |
| 4. i) Explain the steps for creating the Virtual device. (5m) | 6M |
| ii) Explain the view provides quick access to your project's key files. | 6M |
| 5. i) What is android? Why develop apps for android? | 6M |
| ii) With neat diagram, show the major components of Android stack. | 6M |
| 6. i) With neat diagram, explain the high-level picture of Android app development process. | 6M |
| ii) List and explain the steps for starting and using the Android studio. | 6M |
| 7. How do you run app on virtual device and app on physical device. | 12M |
| 8. i) What is Activity navigation? Explain 2 forms of navigation strategies. | 6M |
| ii) Explain XML attributes using TextView as example. | 6M |
| 9. a) Explain the Passing of data between activities with intents. | 6M |
| b) Discuss about Android Application Lifecycle | 6M |
| 10. a) Describe the life cycle of an Android activity with neat sketch? | 6M |
| b) List and Explain the Resource files. | 6M |

UNIT-II

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| 1. Define a) View b) View group c) Layout. | 12M |
| 2. Explain the following layouts | |
| 1. Relative Layout | 6M |
| 2. Linear Layout | 6M |
| 3. Explain Different Layouts available in Android. Explain with Example. | 12M |
| 4. What is Fragment? Explain Fragment Lifecycle with Example. | 12M |
| 5. Explain how do you design the checkboxes? Along with onSubmit() method implementation. | 12M |
| 6. How do you design toggle button and implement the response to it? | 12M |
| 7. Explain how to create Text Input? List out the Attributes for customizing Textview. Write down the steps for getting the user's input. | 12M |
| 8. What is a Menu? List out the types of Menus. Explain implementation of app bar & options menu. | 12M |
| 9. What is screen orientation? Explain its implementation. | 12M |
| 10. Explain Event handing. Write a program to display the Messages through Toast. | 12M |

UNIT-III

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| 1. What is Intent, intent objects and fields? List and explain types of Intents | 12M |
| 2. Explain the steps for sending and receiving the implicit intents. | 12M |
| 3. What is Broadcast Receiver? How do you create Broadcast Receiver? | 12M |
| 4. How do you make an HTTP connection to connect to internet? | |
| 5. What is a Service? How do you implement Started Service and Bound Service? Explain. | 12M |
| 6. i) What is a Notification? Explain the implementation steps for creating Notifications. | 6M |
| ii) Explain the Notification design guidelines. | 6M |
| 8. i) List and Explain the Notification Priorities. | 6M |
| ii) Define Loader? Explain, how do you start and restart a loader? | 6M |
| 9. Explain Image Views to display pictures in Android Mobile. | 12M |
| 10. Explain Activity Launch modes using attributes and intent flags. | 6M |

UNIT-IV

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| 1. How to Save Data using the SharedPreferences Object. Explain? | 12M |
| 2. Write a code to store one line in file which resides in sdcard? | 12M |
| 3. Create a simple registration form using EditText, Radio Button, and store the user value in
SharedPreferences. | 12M |

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| 4. i) Define Shared preferences. List and explain data storage options available. | 6M |
| ii) Differentiate between internal storage and external storage. | 6M |
| 5. What is SQLite database? How to provide database connection using SQLite database. | 12M |
| 6. What is SQLite database? Write code for adding, updating and removing data from SQLite database. | 12M |
| 7. Write an android application for login & registration using SQLite database connectivity. | 12M |
| 8. How to Store and Retrieve all contacts from the Table Using Database Programmatically.
Explain? | 12M |
| 9. i) Define SQLite. Explain example table for SQLite store data in tables. | 6M |
| ii) What is a Cursor? Explain cursor classes and methods. | 6M |
| 10. What is Content Provider? What are the Operations supported by a Content Provider? | 12M |

UNIT-V

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| 1. Write about How to Creating, Setting, and Canceling Alarms | 12M |
| 2. Using the Intent Service to Simplify the Earthquake Update Service. Explain? | 12M |
| 3. What is Action Bar? Write a program to Add items in ActionBar? | 12M |
| 4. What is a Service? How do you implement Started Service and Bound Service? Explain. | 12M |
| 5. Create a Simple Own Service to start and stop the service in Android? | 12M |
| 6. Write a program to display the Current Location ? | 12M |
| 7. Write a Program to how to display Current Location on the Map in Mobile Application? | 12M |
| 8. Explain about Internet download Manager Usage in Android Mobile Application? | 12M |
| 9. Write a Program to how to update the Current Location in the Map? | 12M |
| 10. How to Publishing your application on the Android Market. Explain? | 12M |