



SIDDHARTH GROUP OF INSTITUTIONS:: PUTTUR (AUTONOMOUS)

Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code: Mobile Application Development(20MC9117)

Course & Branch: MCA

Year & Sem: I-MCA & I-SEM

Regulation: R20

**UNIT -I
THE ANDROID PLATFORM**

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|----|---|-----------|-------|
| 1 | a) What is android? Explain their versions and applications? | [L1][CO1] | [06M] |
| | b) Explain the procedure steps of Installing Android SDK Tools. | [L2][CO1] | [06M] |
| 2 | a) Define the features of Android? | [L1][CO1] | [04M] |
| | b) Explain about obtaining the requirement tools in android. | [L2][CO1] | [08M] |
| 3 | Demonstrate about the anatomy of android application in detail. | [L2][CO1] | [12M] |
| 4 | Define about how you understanding Activities in android platform. | [L1][CO4] | [12M] |
| 5 | a) Create a configuring the android SDK with neat diagram. | [L6][CO1] | [06M] |
| | b) Build an ADT Tools in android application. | [L3][CO2] | [06M] |
| 6 | Determine about fragments and Intents with suitable program. | [L3][CO2] | [12M] |
| 7 | Express brief about Calling Built-In Applications using Intents. | [L2][CO1] | [12M] |
| 8 | Show and Explain a Linking Activities and fragments in detail. | [L1][CO1] | [12M] |
| 9 | Develop how you are creating Hello World in android application. | [L6][CO1] | [12M] |
| 10 | a) Explain briefly about how you understanding different activities | [L2][CO1] | [06M] |
| | b) Analyze a linking Activities using Intents in briefly. | [L4][CO1] | [06M] |

UNIT –II
UNDERSTANDING THE COMPONENTS OF A SCREEN

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|----|--|------------------------|----------------|
| 1 | Explain about understanding different components of a Screen in detail. | [L2][CO2] | [12M] |
| 2 | a) What is Views and its type?
b) Develop a program using ViewGroups with suitable example. | [L1][CO2]
[L3][CO2] | [06M]
[06M] |
| 3 | a) Design a anchoring views and write a suitable program.
b) Examine about resize and repositioning in detail. | [L6][CO2]
[L3][CO2] | [06M]
[06M] |
| 4 | Distinguish between a Table Layout and Frame Layout. | [L4][CO2] | [12M] |
| 5 | a) Create a Scroll View and Explain it briefly.
b) Develop a Table views and Explain it briefly. | [L6][CO2]
[L3][CO2] | [06M]
[06M] |
| 6 | Explain about adapting to display orientation with suitable example. | [L2][CO2] | [12M] |
| 7 | a) How you detect orientation changes in detail.
b) Discuss about controlling orientation of the activity in detail. | [L2][CO2]
[L2][CO2] | [06M]
[06M] |
| 8 | How you managing & changes to screen orientation? | [L2][CO2] | [12M] |
| 9 | a) Develop a Absolute Layouts and write a suitable program.
b) Develop a Relative Layouts and write a suitable program. | [L3][CO2]
[L3][CO2] | [06M]
[06M] |
| 10 | a) Design customizing the action items and their applications.
b) Discuss about adding action items to the action bar. | [L6][CO2]
[L2][CO2] | [06M]
[06M] |

UNIT –III
DESIGNING USER INTERFACE WITH VIEWS

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|----|--|-----------|-------|
| 1 | Design about basic views and their contents with example. | [L6][CO3] | [12M] |
| 2 | a) Create how to add pictures in android application. | [L6][CO3] | [06M] |
| | b) Explain about the various menus views with examples. | [L2][CO3] | [06M] |
| 3 | a) Explain about i) Progress bar ii) Toggle button | [L2][CO3] | [06M] |
| | b) Explain about i) Image button ii) Edit Text | [L2][CO3] | [06M] |
| 4 | Explain about displaying long lists and their overview | [L1][CO3] | [12M] |
| 5 | Discuss about Image views to display pictures with suitable program. | [L2][CO3] | [12M] |
| 6 | a) Examine i)Dialog fragment ii) Preference fragment | [L3][CO3] | [06M] |
| | b) Examine i)List fragment ii) Specialized fragment | [L4][CO3] | [06M] |
| 7 | Construct a Menus and write additional views in detail. | [L6][CO3] | [12M] |
| 8 | Distinguish between a basic views and picker views. | [L5][CO3] | [12M] |
| 9 | Discuss about specialized fragments with their summary. | [L2][CO3] | [12M] |
| 10 | a) Explain about i) Data Picker ii)Time Picker iii) DateTime Picker | [L2][CO3] | [06M] |
| | b) Explain about i) ListView view ii) Spinner View | [L2][CO3] | [06M] |

**UNIT –IV
DATA PERSISTENCE**

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|----|---|-----------|-------|
| 1 | Explain about persisting data to files in detail. | [L2][CO4] | [12M] |
| 2 | How you creating and using databases with example. | [L1][CO4] | [12M] |
| 3 | a) Explain about creating DB Adapter Helper class in data persistence. | [L6][CO4] | [06M] |
| | b) Explain about choosing best storage option using database. | [L5][CO4] | [06M] |
| 4 | Discuss static resources and predefined query string constants. | [L2][CO4] | [12M] |
| 5 | Express about content providers with suitable example? | [L2][CO4] | [12M] |
| 6 | How you creating your own content providers in detail? | [L2][CO4] | [12M] |
| 7 | a) Analyze a sharing data in android and write a suitable program. | [L4][CO4] | [06M] |
| | b) How to develop Pre-creating the database and sketch neatly ? | [L6][CO4] | [06M] |
| 8 | Explain about saving data to internal and external storage in android. | [L2][CO4] | [12M] |
| 9 | Discuss about saving and loading user preferences with example. | [L2][CO4] | [12M] |
| 10 | a) Illustrate the following i) Accessing preferences ii)Retrieving & Modifying preferences. | [L3][CO4] | [06M] |
| | b) Illustrate the following i)Projections, Filtering ii)Sorting | [L3][CO4] | [06M] |

**UNIT –V
MESSAGING**

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|----|---|-----------|-------|
| 1 | Explain about creating your own services in android developing. | [L2][CO5] | [12M] |
| 2 | Explain about different kinds of messaging in detail. | [L2][CO5] | [12M] |
| 3 | a) Analyze about digital signing in android applications. | [L4][CO5] | [06M] |
| | b) Explain about versioning your application while publishing? | [L3][CO5] | [06M] |
| 4 | How you publishing android applications in the market? | [L1][CO5] | [12M] |
| 5 | a) Define about binding activities to services in detail. | [L1][CO5] | [06M] |
| | b) Explain about a different kinds of threading in detail. | [L2][CO5] | [06M] |
| 6 | Describe about deploying APK Files with example. | [L1][CO5] | [12M] |
| 7 | How the communication was establishing between a service &activity? | [L4][CO5] | [12M] |
| 8 | Discuss about adb.exe tool & web server and write a suitable program. | [L2][CO5] | [12M] |
| 9 | Develop about caveats and warnings, sending e-mail sketch neatly. | [L6][CO5] | [12M] |
| 10 | a) Show a preparing for publishing in android application. | [L1][CO5] | [06M] |
| | b) Discuss about a executing asynchronous tasks on separate threads in android. | [L2][CO5] | [06M] |

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