SUBJECT : CS -31 MOBILE APPLICATION DEVELOPMENT IN ANDROID USING KOTLIN   DATE   : / /2024

TIME   : 2 ½ Hours.   MARKS : 70

Q:1 (A) Answer in one sentences. (04)
1 _____ is the file extension for source code in Kotlin.
2 Immutable variables declared using _____ keyword.
3 Explain this keyword.
4 Explain super keyword.

Q: 1 (B) Answer in two or three sentences. (Any One) (02)
1 What is Kotlin?
2 Explain program execution architecture of Kotlin.

Q: 1 (C) Write down the answer of following questions. (Any One) (03)
1 Explain visibility modifiers of Kotlin.
2 List operators of Kotlin, explain any one in detail.

Q: 1 (D) Write down the answer of following questions in detail. (Any One) (05)
1 What is collection? List Kotlin collection explain any one with example.
2 Explain Looping controls of Kotlin.

Q:2 (A) Answer in one sentences. (04)
1 AVD stands for _____   2 DVM stands for _____
3 ADB stands for _____   4 SDK stands for _____

Q: 2 (B) answer in two or three sentences. (Any One) (02)
1 Explain Intents.
2 Explain Broadcast Receiver.

Q: 2 (C) Write down the answer of following questions. (Any One) (03)
1 Explain Android manifest file.
2 Explain Services in Android.

Q: 2 (D) Write down the answer of following questions in detail. (Any One) (05)
1 Explain Activity lifecycle with example.
2 List and explain resources of Android application.

Q:3 (A) Answer in one sentences. (04)
1 _____ file is used to store string resource in Android project.
2 _____ widget is used to display static text.
3 _____ property of control determines font size.
4 All Activity extends _____ class.

Q: 3 (B) answer in two or three sentences. (Any One) (02)
1 Explain types of Animation.
2 Explain Fragment.

Q: 3 (C) Write down the answer of following questions. (Any One) (03)
1 Explain Dialogs with Example.
2 Explain EditText.

Q: 3 (D) Write down the answer of following questions in detail. (Any One) (05)
1 Explain types of Layouts in Android.
2 Explain ListView and GridView.

Q:4 (A) Answer in one sentences. (04)
1 What is Shared Preference?
2 URI stands of _____.

3 _____ database is used in mobile device to manage data.

4 Small collection key values that you would like to save, you should use the _____ API.

Q: 4 (B) answer in two or three sentences. (Any One)   **(02)**

   1 What is SQLite?

   2 What is Content Provider?

Q: 4 (C) Write down the answer of following questions. (Any One)   **(03)**

   1 Explain SQLiteOpenHelper class.

   2 Explain SQLiteDatabase class.

Q: 4 (D) Write down the answer of following questions in detail. (Any One)   **(05)**

   1 Develop an Android application to read and write text file into internal storage.

   2 Develop an Android application to display contacts using content provider.

Q:5 (A) Answer in one sentences.   **(04)**

   1 LBS stands for _____.

   2 GPS stands for _____.

   3 JSON stands for _____.

   4 What is LocationManager class?

Q: 5 (B) answer in two or three sentences. (Any One)   **(02)**

   1 Explain Notification Manager of Android.

   2 Explain types of Google Map.

Q: 5 (C) Write down the answer of following questions. (Any One)   **(03)**

   1 Explain telephony API.

   2 Explain Web API.

Q: 5 (D) Write down the answer of following questions in detail. (Any One)   **(05)**

   1 Develop an Android application to set mark on Google Map.

   2 Explain Geocoding API.