H-003-1036001

B. C. A. (Sem. VI) Examination

April - 2023

Mobile Computing Using Android and IPhone : CS-31

Faculty Code : 003

Subject Code : 1036001

Time : $2\frac{1}{2}$ / Total Marks : 70

1 (a) Answer the following : 4
(1) Ldpi stands for _____.
(2) Give full form of DVM.
(3) AVD stands for _____.
(4) What is SDK ?

(b) Answer any one in brief : 2
(1) What is Emulator ?
(2) Define : Activity.

(c) Answer any one in detail : 3
(1) Write a short note on Intent.
(2) Write down advantages of Android.

(d) Answer any one : 5
(1) Explain Android Architecture in detail.
(2) Explain Android versions in detail.

2 (a) Answer the following : 4
(1) _____ widget is used to display text.
(2) Any view object may have an integer _____ associated with it.
(3) _____ allows user to select one option from a set.
(4) A _____ allows user to change a setting between two states.

(b) Answer any one in brief : 2
(1) What is Grid View ?
(2) What is Progress Bar ?

(c) Answer any one in detail :   3

(1) Write a code to perform Translate Animation on Image.

(2) Explain Date Picker with example.

(d) Answer any one :   5

(1) Explain Alert Dialog with example.

(2) What is Layout ? Explain Relative Layout in detail.

3   (a) Answer the following :   4

(1) Each Shared Preferences file can be private or shared. (True/False)

(2) If you need to use only one Shared Preference file for the activity then _____ is used.

(3) Call _____ method to save changes in Shared Preference file.

(4) Files save in _____ storage are accessible by only your application by default.

(b) Answer any one in brief :   2

(1) Define : Schema.

(2) What is Content Provider ?

(c) Answer any one in detail :   3

(1) Write a short note on Shared Intent.

(2) Write steps to create and open key – value pair file.

(d) Answer any one :   5

(1) Create student database using SQLite with example.

(2) Difference between Internal Storage and External Storage.

4   (a) Answer the following :   4

(1) The location is displayed with longitude and latitude. (True/False)

(2) The central component of the location framework is the _____ service.

(3) The key class in the Google Maps android API is _____.

(4) _____ answer queries about the state of network connectivity.

(b) Answer any one in brief : **2**

(1) Define : HTTP.

(2) What is Notification ?

(c) Answer any one in detail : **3**

(1) Write a short note on services.

(2) Explain JSON with example.

(d) Answer any one : **5**

(1) Explain doInBackground() in Async Task.

(2) Create an android application that provides your cell details like (IMEI, SIM Number, and Operator Name etc.)

5 (a) Answer the following : **4**

(1) DAE stands for _____.

(2) XCode automatically saves changes to source and project file. (True/False)

(3) MVC stands for _____.

(4) _____ is used as basic development language of IPhone application.

(b) Answer any one in brief : **2**

(1) What is Control State ?

(2) Define : Framework.

(c) Answer any one in detail : **3**

(1) Write a short note on Cocoa Touch.

(2) Write steps to create Empty Application.

(d) Answer any one : **5**

(1) Explain X-Code IDE in detail.

(2) Write steps to create and build simple application using IPhone.

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