

B.Sc.(IT) Semester - 6 (CBCS) Examination**March/April -2019****CS-31 MOBILE COMPUTING USING ANDROID(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Question-1

- a) **Answer the following** (4)
- 1) Full form of OHA is _____ .
 - 2) _____ company owns the Android.
 - 3) The extension of the AndroidManifest file is _____.
 - 4) AVD stands for _____ .
- b) **Answer the following (Any One)** (2)
- 1) What is Android?
 - 2) What is resource?
- c) **Answer the following (Any One)** (3)
- 1) Explain R.java file.
 - 2) Explain Intent in detail.
- d) **Answer the following (Any One)** (5)
- 1) Explain activity life cycle with example.
 - 2) Explain Android history in detail.

Question-2

- a) **Answer the following** (4)
- 1) Activity is a class that represents the _____
 - 2) _____ file is auto generated file in Android.
 - 3) An activity can be shut down by calling _____ method.
 - 4) _____ is used to send and receive data in Android app.
- b) **Answer the following (Any One)** (2)
- 1) Explain Toast class.
 - 2) What is Canvas?
- c) **Answer the following (Any One)** (3)
- 1) Write a note on ListView with example.
 - 2) Explain Spinner with example.
- d) **Answer the following (Any One)** (5)
- 1) Explain layout in detail.
 - 2) What is animation? Explain Twined Animation.

Question-3

- a) **Answer the following** (4)
- 1) For database operation we have to extends _____ class.
 - 2) Write SQLite query using _____ method.
 - 3) _____ method is used to delete a database.
 - 4) _____ method is used to read from database.
- b) **Answer the following (Any One)** (2)
- 1) What are the methods of data storage?
 - 2) What is shared preferences?
- c) **Answer the following (Any One)** (3)
- 1) Explain SQLHelper.
 - 2) Explain Content Provider.

- d) Answer the following (Any One) (5)**
- 1) What is SQLite? Explain SQLite architecture in detail.
 - 2) Explain how to read information from SQL database.

Question-4

- a) Answer the following (4)**
- 1) _____ method is used to issue notification.
 - 2) JSON stands for _____
 - 3) AAPT stands for _____
 - 4) GPS stands for _____
- b) Answer the following (Any One) (2)**
- 1) Explain JSON.
 - 2) What is web view?
- c) Answer the following (Any One) (3)**
- 1) List different types of notifications.
 - 2) Explain Geocoder.
- d) Answer the following (Any One) (5)**
- 1) Explain how GPS Works?
 - 2) Write steps to publish App in Android.

Question-5

- a) Answer the following (4)**
- 1) _____ is the IDE for iPhone App Development.
 - 2) _____ is used as basic development language of iPhone App.
 - 3) Cocoa Touch is a _____
 - 4) MVC stands for _____
- b) Answer the following (Any One) (2)**
- 1) Explain X-Code.
 - 2) What is controls in iPhone?
- c) Answer the following (Any One) (3)**
- 1) What is keyboard layout in TextField in iPhone.
 - 2) Explain Button in iPhone.
- d) Answer the following (Any One) (5)**
- 1) Explain components of X-Code IDE.
 - 2) Explain Cocoa Touch in detail.