D-6042

M.Sc. (IVth Semester) Examination, 2020

INFORMATION TECHNOLOGY

(Mobile Computing and Application Development)

Time Allowed : Three Hours

Maximum Marks : 70

Minimum Pass Marks : 25

SECTION - A

Note : Attempt any ten questions. Each question carries one mark.

Q. 1. (i) To develop an Android application _____ programming language can be used.

(ii) Android is a _____.

(iii) Ice cream sandwich is the codename of _____ version.

(iv) AAPT stands for _____.

(v) ADT is known as _____.

(vi) Android is developed by :

(a) Apple

(b) Android Inc

(c) Google

(d) Microsoft

(vii) What is JNI in Android :

(a) Java Interface

(b) Java Native Interface

(c) Java Network Interface

(d) Image Editable Tool

(viii) Android is based on which Kernal :

(a) Linux

(b) Windows

(c) MAC

(d) Redhat

(ix) ADB stands for :

(a) Android Debug Bridge

(b) Android Drive Bridge

(c) Android Delete Bridge

(d) Android Destroy Bridge

(x) What is an Interface in Android :

(a) Interface is a layout file

(b) Interface is a class

(c) Acts as a bridge between class and the

outside world

(d) All of the above

(xi) Action bar can be associated to :

(a) Only fragments

(b) Only activities

(c) Both activities and fragments

(d) None of the above

(xii) Which code used by Android is Not A Open

Source :

(a) Video Driver

(b) Wifi Driver

(c) Device Driver

(d) Bluetooth Driver

SECTION - B

Note : Attempt any five questions. Each question carries

2 marks. Very short answer (25-30 words).

Q. 1. What are the four essential states of an activity ?

Q. 2. What is ANR explain ?

Q. 3. What is Mobile Communication ?

Q. 4. Explain Emulators briefly.

Q. 5. Explain Application of Mobile Communication.

Q. 6. What is Android explain.

Q. 7. Explain GSM & CDMA briefly.

SECTION - C

Note : Attempt any five questions. Each question carries 4 marks. Short answer type (250 words).

Q. 1. Explain various generations of wireless technology.

Q. 2. Explain GSM architecture briefly.

Q. 3. What is Mobile Computing ? Explain Mobile Communication via Satellite.

Q. 4. What is Emulators ? Explain in detail.

Q. 5. Explain Activity Lifecycle of Android.

Q. 6. What do you mean by event driven programming ? Explain with its elements.

Q. 7. Explain basic operations of SQLite with example.

SECTION - D

Note : Attempt any three questions. Each question carries 10 marks. Essay type (more than 500 words).

Q. 1. Explain the process for Environment setup for Android apps development.

Q. 2. Explain Android Programming and Exception Handling in Android.

Q. 3. What is Mobile Computing ? Explain its application, characteristics and communication via satellite.

Q. 4. What do you mean by Android ? Explain Android for Mobile Apps development and lifecycle of Android.

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