



NBU-003-1082001

Seat No. 020232

M. Sc. (I.T.) (Sem. II) (CBCS) Examination

April / May - 2017

CS - 07 : Application Development using
Advanced Android

Faculty Code : 003

Subject Code : 1082001

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (A) Objective type questions : 4
- (1) What is Activity?
 - (2) The R.Java file is where you edit the resources for your project. (True/False)
 - (3) Android provides _____ class to record audio or video.
 - (4) Which method of the Camera class display the Preview of the image captured?
- (B) Answer in brief : (Any One) 2
- (1) Explain WebView.
 - (2) Explain GridView.
- (C) Answer in detail : (Any One) 3
- (1) Explain Intent with example.
 - (2) Explain Android manifest file.
- (D) Write a note on : (Any One) 5
- (1) Explain Alarm Manager with example.
 - (2) Explain ArrayList Adapter with example.
- 2 (A) Objective type questions : 4
- (1) Which data type is not supported by the Shared Preferences class?
 - (2) To share data between Android applications _____ class is used.

- (3) The _____ – constant specifies that the data connection state is connected.
- (4) Which class is used to receive the SMS within your Android Application?
- (B) Answer in brief : (Any One) 2
- (1) Explain the role of the SharedPreferences class.
- (2) Explain SmsManager class.
- (C) Answer in detail : (Any One) 3
- (1) Explain internal storage.
- (2) Explain how to create content provider.
- (D) Write a note on : (Any One) 5
- (1) Design Android Login form. Database Name - student. TableName-msc2 (uname, pass)
- (2) Explain Sending and Receiving Broadcast with example.
- 3 (A) Objective type questions : 4
- (1) Which class is the entry-level for all Bluetooth interaction?
- (2) Which piece of code used in Android is not open source?
- (3) SOAP stands for _____
- (4) Give the name of different types of Sensor.
- (B) Answer in brief : (Any One) 2
- (1) Write the code to get the default Bluetooth Adapter
- (2) Explain web service.
- (C) Answer in detail : (Any One) 3
- (1) SOAP vs. Restful web service
- (2) Explain Working with different sensors
- (D) Write a note on : (Any One) 5
- (1) Explain working with WiFi with example
- (2) Explain how to read sensor data with example.

4

(A) Objective type questions :

4

- (1) _____ method returns the JSON object.
- (2) What is the code name assigned to android 7.0?
- (3) The SAX parser parse the _____ file only.
- (4) xml file named file.xml is created inside the _____ directory of your project.

(B) Answer in brief : (Any One)

2

- (1) Explain XML Parsing DOM
- (2) Explain JSON Elements

(C) Answer in detail : (Any One)

3

- (1) Explain JSON Parsing with example.
- (2) Explain Communicating with Bluetooth.

(D) Answer in detail : (Any One)

5

- (1) Explain Integrating Social Networking using HTTP
- (2) Explain Managing Bluetooth connections with Example

5 (A) Objective type questions :

4

- (1) Which debug certificate is required to integrate Google Maps into your Android Application?
- (2) To use Google Maps in your Android Application, you have to set the add _____ services.
- (3) AAPT Stands for _____
- (4) An image must be referenced only from _____ folders.

(B) Answer in brief : (Any One)

2

- (1) Explain GeoCoder.
- (2) Explain Canvas.

[Contd...]

(C) Answer in detail : (Any One)

3

- (1) Explain Working with bitmap, shapes with Example
- (2) Write a step of Signing certificate and ProGuard Rules in Android studio.

(D) Write a note on : (Any One)

5

- (1) Write the Android Application for Zoom In/Out, Fade In/Out and Clockwise/AntiClockwise the Image.
- (2) Create an Android app to find current location of user using Google Maps.