



**NBU-003-1082001** Seat No. \_\_\_\_\_

**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.

- (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.
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