



PAQ-003-1082001

Seat No. _____

M. Sc. (IT & CA) (Sem. II) (CBCS) Examination

August / September - 2020

**CS - 07 : Applicatoin 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 Live Wallpaper in Android?
 - (2) _____ is the sub-element of activity that describes the type of intent to which activity, service or broadcast receiver can respond to.
 - (3) _____ file declares the android api that the application is going to use.
 - (4) Android component that manages appearance and format on screen is called _____.
- (B) Answer in brief : (Any One) 2
- (1) Explain Layout.
 - (2) Explain Intent.
- (C) Answer in detail : (Any One) 3
- (1) Explain Audio Video API.
 - (2) Explain Alarm Manager with example.
- (D) Write a note on : (Any One) 5
- (1) What is View? Explain SearchView with example.
 - (2) What is Adapter? Explain ArrayList Adaptor with example.

- 2** (A) Objective type questions : **4**
- (1) _____ class is used for database creation and version management.
 - (2) What is Notification?
 - (3) BroadcastReceiver's subclass overrides_____ method.
 - (4) Data sharing between applications is managed by _____.
- (B) Answer in brief : (Any **One**) **2**
- (1) Explain Content.
 - (2) Explain Shared Preferences.
- (C) Answer in detail : (Any **One**) **3**
- (1) Explain SQLiteOpenHelper class.
 - (2) Explain Sharedpreferences class.
- (D) Write a note on (Any **One**) **5**
- (1) Explain External Storage with example.
 - (2) Explain Android File System.
- 3** (A) Objective type questions : **4**
- (1) API stands for _____.
 - (2) SOAP stands for _____.
 - (3) Once you enable the Bluetooth, you can get a list of paired devices by calling _____ method.
 - (4) You can get a list of sensors supported by your device by calling the _____ method.
- (B) Answer in brief : (Any **One**) **2**
- (1) Explain WiFi.
 - (2) Explain Bluetooth.
- (C) Answer in detail : (Any **One**) **3**
- (1) Explain SensorManager class.
 - (2) Explain SensorEvent class.

- (D) Write a note on : (Any **One**) **5**
- (1) What is Web Service? Differentiate SOAP vs. Restful
 - (2) What is Sensor? Explain types of Sensor.
- 4 (A) Objective type questions : **4**
- (1) Which method is used to check whether Bluetooth is currently enabled or not?
 - (2) Which interface provides the functionality to parse the XML document using XMLPullParser?
 - (3) SAX stands for _____.
 - (4) The _____ parser cannot be used to create the XML file. It can be used to parse the xml file only.
- (B) Answer in brief : (Any **One**) **2**
- (1) Explain controlling local Bluetooth device.
 - (2) How to Manage Bluetooth connections?
- (C) Answer in detail : (Any **One**) **3**
- (1) Explain XML Parsing SAX.
 - (2) Explain XML Parsing DOM.
- (D) Write a note on : (Any **One**) **5**
- (1) Explain Bluetooth Adaptor and API with example.
 - (2) Explain JSON Parsing with example.
- 5 (A) Objective type questions : **4**
- (1) What is Proguard in Android?
 - (2) Which class provides methods to start and end the animation?
 - (3) LBS Stands for _____.
 - (4) Searching location in Google Map API is done through _____ class.

(B) Answer in brief : (Any **One**) **2**

- (1) Explain showing Google Map in Activity.
- (2) Explain Map Overlays.

(C) Answer in detail : (Any **One**) **3**

- (1) Explain Geocoder with Example
- (2) Write an android code to draw different shapes and text with color.

(D) Write a note on : (Any **One**) **5**

- (1) Explain 2D animation with example.
 - (2) Explain how distribute android app via Google Play.
-