

**PARUL UNIVERSITY**  
**FACULTY OF IT & COMPUTER SCIENCE**  
**BCA/ IMCA Summer 2018 Examination**

**Semester: 6**

**Subject Code: 05101352 /05301352**

**Subject Name: Mobile Application Development**

**Date: 18/05/2018**

**Time: 02:00PM to 04:30PM**

**Total Marks: 60****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

**Q.1 Answer the followings.**

**A. Write short notes.**

**(05)**

1. What is use of res folder in android?
2. What is Toast message in android?
3. Define Service and Activity.
4. What is AVD?
5. Give Use of Manifest.xml file.

**B. Do as Directed(Each of 01 marks)**

(10)

1. What is the life cycle of foreground activity in android?  
A - onCreate() -> onStart() -> onResume() -> onStop() -> onRestart  
B - onCreate() -> onStart() -> onResume() ->onStop()  
C - onCreate() -> onStart() -> onResume()  
D - None of the above
2. OnCreateContaxtMenu() method have to override for use android menu. True/ False  
False
3. \_\_\_\_\_ configuration file holds the permission to use the internet.  
A. Layout file    B. Property file    C. Java source file    D. Manifest file
4. Which one is not a nickname of Android Version.  
A. Muffin    B. Cupcake    C. Honeycomb    D. Gingerbread
5. The DalvikVM core libraries are a subset of which of the following?  
A. Java ME    B. Java SE    C. Java EE    D. JAX-WS
6. What Eclipse plugin is required to develop Android application?  
A. J2EE    B. Android Software Development Kit  
C. Android Development Tools    D. Web Development Tools
7. In R.java file you can edit your resource of your project. True/ False?  
False
8. As an android developer what version you should use as minimum SDK target version?  
A. version 1.6 or 2.0    B. version 1.0 or 1.5    C. version 2.5 or 3.0    D none of above
9. In \_\_\_\_\_ year Open Handset Alliance was announced.  
A. 2012    B. 2001    C. 2007    D. 2009
10. What is the parent class of all Activity widgets?  
A. ViewGroup    B. Layout    C. View    D. Widget

**Q.2 Answer the followings. (Any 5)**

(15)

1. Write a note on string.xml file. Why this file is useful in android?
2. By using which widget image will be set in android? Explain it with code.
3. Write a note on spinner control. With small code.
4. List our all types of button supported by android. Explain radio button in detail.
5. Write a note on android.util.Log class?
6. Write down steps to create new AVD?

**Q.3 Answer the following. (Any 3)**

**(15)**

1. Write a note on theme and style.
2. Which steps are required to publish android application?
3. Write a note on Life Cycle of android activity with diagram. Explain its all methods.
4. List of type of layout supported by android. Explain Table layout in detail.

**Q.4 Answer the following.**

**A.** What is Intent? How it use to broadcast and receive message? Explain it with small code. **(05)**

**B.** What is SQLite Database? Explain method to create, insert, delete and querying database in android. Also write demo code. **(10)**

**OR**

**B.** A. Write a program to change image using spinner control. **(05)**

B. Write a note on Dialog box supported by android. **(05)**