



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2018

Program: B.Tech CSE ECRA

Subject (Course): Mobile App & E-Commerce

Course Code: CSIB419

No. of page/s: 2

Semester – VI

Max. Marks : 100

Duration : 3 Hrs

Note: All questions are compulsory.

Assume appropriate data as and where necessary

SECTION - A

5*4=20 Marks

1. How do you calculate screen size? Discuss multi-screen support in android?
2. a) How to access images in .java file (source file) ?
 - a) /res/drawable
 - b) `getApplicationContext()`
 - c) `@string/mystr1`
 - d) `R.drawable.image`

b) Discuss about the Application icon creations?
3. a) Which options from file menu is used to take backup of your project _____
b) Full form of AVD is _____. Full form of OHA _____
c) Your Java source code is what is directly run on the Android device. True/False
4. a) Specify the directory name where String resource are stored _____
b) _____ file defines your application's capabilities and permissions and how it runs.
c) _____ database is used in android operating system.
d) _____ is a consortium involved in developing open standards for mobile devices.

5. Explain various icon types in android?

SECTION B

4*10=40Marks

- 6. Where are lay out details placed ? Explain different layout mechanisms with an applicable scenario along with sample XML syntax?**
- 7. Write about Android Manifest.XML and its responsibilities?**
- 8. State and explain service and its lifecycle with pictorial diagram?**
- 9. Explain nine-patch? State and explain any four input controls with sample XML code?**

SECTION C

2*20=40Marks

- 10. a) Explain how android accomplishes persistent application data and their various storage options.**
 - b) How does content providers store their data in Android. Explain with code how you connect and query SQLite.**
- 11. a) What is the difference between activity context and application context?**
 - b) Explain dip, dp and dpi? Explain toast with function signature?**
 - c) Explain View & View groups?**