

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2019

Course: Mobile App Development Using Android
Program: B. Tech G&G
Course Code: CSMC2006

Semester: III
Time : 03 hrs.
Max. Marks: 100

Instructions:

SECTION A

S. No.		Marks	CO
Q 1	a. From the below devices which one would you be able to implement android classes? a. Mobile devices b. Laptops c. Desk Tops d. Super computers b. From the below stated keywords, which one is used to implement inheritance in an android application? a. Packages b. import c. Imports d. extends c. State the database, which is inbuilt in the android application. a. SQL server b. SQLite c. MySQL d. MySQL Server d. IOS is an open source mobile operating system (True / False) e. _____ method is called, very first on execution of an activity. a. onStart() b. onCreate() c. onStartCommand d. onBind	5	CO1, CO2, CO4
Q 2	Explain how android accomplishes persistent application data with various storage options.	5	CO4
Q 3	Explain Intent and types of Intent.	5	CO2
Q 4	a) State file menu option which is used to take backup of your project _____ b) Full form of AVD is _____. Full form of OHA _____ c) Your Java source code is directly run on the Android device. True/False d) Specify the directory name where String resources are stored _____	5	CO1, CO3

SECTION B

Q 5	Discuss Widget and different widget categories.	10	CO3
Q 6	a) Describe Dialogs in Android. State different types of Dialogs explaining each. OR b) Explain options menu and its life cycle with pictorial diagram.	10	CO2
Q 7	Identify where the layout details are placed. Explain different layout mechanisms with an applicable scenario and illustrate with sample syntax.	10	CO2

Q 8	Explain views, view groups and activity. Discuss on the impact that they can have by styles and themes.	10	CO3
SECTION-C			
Q 9	<p>a) Explain security in Android. Describe Android Manifest.XML and its responsibilities.</p> <p style="text-align: center;">OR</p> <p>b) Discuss on the need of service over activity. Write a code to demonstrate activity lifecycle with appropriate Log messages.</p>	20	CO1
Q 10	<p>Explain below in brief:</p> <p>a) Video Compression and decompression</p> <p>b) Lossy and Lossless Compression</p> <p>c) Codec with examples</p> <p>d) Container of codec.</p>	20	CO4