

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

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

Course: Android Development
Semester: V
Program: BCA
Course Code: CSBC 3001

Time: 03 hrs.
Max. Marks: 100

Instructions: In this paper, Section A have 5 Questions of 4 marks each. All the questions are compulsory. Section B have 4 Questions of 10 marks each, out of which 3 Questions are compulsory and 1 Questions have internal choice to attempt any one. Section C have 2 Questions of 20 marks each, out of which 1 Question is compulsory and 1 Question have internal choice to attempt any one.

SECTION A

S. No.		Marks	CO
Q 1	Define Application manifest file of Android.	4	CO1
Q 2	Illustrate the security and permissions in android app development.	4	CO2
Q 3	Categorize Android List Controls with example of each.	4	CO3
Q 4	State the method of applying styles in Android?	4	CO3
Q 5	Explain steps to view the data stored in SQLite in android studio?	4	CO4

SECTION B

Q 6	Describe android application architecture in detail.	10	CO1
Q 7	Demonstrate method to create and use resources in Android.	10	CO2
Q 8	Devise the process of setting up audio playback in any android application.	10	CO3
Q 9	Discuss screen compatibility mechanism in Android development. How it is achieved? <p style="text-align: center;">OR</p> Justify, why is it necessary to sign all Android applications of a suit with a single certificate?	10	CO3, CO4

SECTION-C

Q 10	Illustrate process of using a broadcast receiver and register it both in the manifest and in code?	20	CO2 CO3
Q 11	Explain following: i) Using GPS to find the current location ii) Creating A Home Screen Widget <p style="text-align: center;">OR</p> Demonstrate process for establishing database connection in Android and updating and viewing records through front-end (app).	20	CO3 CO4