

Name:

Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**End Semester Examination, December 2019**

**Course: Mobile Application Dev Using Android**

**Program: B.Tech G&G & MC**

**Course Code: CSMC3002**

**Semester: V**

**Time : 03 hrs.**

**Max. Marks: 100**

**Instructions:**

**SECTION A**

		Marks	CO
Q 1	Differentiate between Activity and Service	5	CO1
Q 2	Describe views and view groups?	5	CO2
Q 3	Explain whether “context” always refer to an activity or can also refer to an application.	5	CO3
Q 4	Explain SQLite and how does it differ from client-server database management system?	5	CO4

**SECTION B**

Q 5	Describe different components of Android Application framework.	10	CO1
Q 6	In which scenario would you require options menu in android app. Explain with real-time example. <p style="text-align: center;"><b>OR</b></p> Explain on options menu and its life cycle with pictorial diagram.	10	CO3
Q 7	Explain “Shared Preferences” in detail and mentioned methods to access them.	10	CO3, CO4
Q 8	a. State advantages of having an emulator. b. Explain Layout? State any 2 layouts. c. Describe Video Compression and Decompression. d. Explain widget. State three advantages of having a widget.	2 2 3 3	CO3

**SECTION-C**

Q 9	Write code snippets for connecting to SQLite table, inserting data, retrieving data, deleting and modifying data through an android application. <p style="text-align: center;"><b>OR</b></p> Write code snippets for creating a file in Android file system, Writing into the file, reading file, closing file and deleting file.	20	CO4
Q 10	Explain Intent and their usage. Describe different types of Intents with code examples with a suitable scenario. Explain location API.	20	CO2, CO4