UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2022

Course: Open Source Mobile Platform   **Semester: III**
Program: B.Tech. CSE-OSOS   **Time: 03 hrs.**
Course Code: CSOS 2011   **Max. Marks: 100**

Instructions: 1. Attempt all questions.
              2. Write the code in java wherever is required.

SECTION A
(5Qx4M=20Marks)

S. No.		Marks	CO
Q 1	Discuss the role of AVD in mobile app development.	4	CO1
Q 2	Define View. Provide suitable example.	4	CO2
Q 3	Define Service. Differentiate between bounded and unbounded service.	4	CO3
Q 4	Differentiate between Popup menu and context menu.	4	CO4
Q 5	Differentiate between Table Layout and Frame Layout. Explain with suitable example.	4	CO1

SECTION B
(4Qx10M= 40 Marks)

Q 6	Draw and explain the android architecture.	10	CO2
Q 7	Design a calculator android app which shows the functionalities of explicit and implicit intents. Or Differentiate between Shared Preferences and SQLite Database. Discuss any four methods of Shared Preferences.	10	CO3

Q 8	Design an android app which shows following animations:
	   a) Rotate Clockwise
	   b) Rotate Anticlockwise
		10	CO4

Q 9	Discuss the role of toast in app development. Design an android app which shows the functionality of toast.	10	CO2

SECTION-C
(2Qx20M=40 Marks)

Q 10	Write a brief note on android animations. Or Write a brief note on Android Style and Themes.	20	CO3

| Q 11 | Discuss the steps to publish an android app on Google Play Stores. | 20 | CO4 |