Name: Enrolment No:	

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

Course: Mobile Application Development   Semester: V
Program: B.Tech. CSE-GG   Time: 03 hrs.
Course Code: CSMC 3014   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	Differentiate between View and ViewGroups. Take suitable example for explanation.	4	CO1
Q 2	Draw neat and clean diagram of Service Lifecycle Methods.	4	CO2
Q 3	Differentiate between Spinner and ListView with suitable example.	4	CO3
Q 4	Discuss the core building blocks of an android application.	4	CO4
Q 5	Discuss the importance of intent filters for an android application.	4	CO1

SECTION B
(4Qx10M= 40 Marks)

Q 6	Design an android application which shows the functionality of Option Menu.	10	CO2
Q 7	Design an android application which shows addition of two numbers. Create buttons and text fields for your application.	10	CO3
Q 8	Draw and explain the Activity life cycle methods with suitable example. Write down the java code for activity life cycle. Or Draw and explain the Fragment life cycle methods with suitable example. Write down the java code for fragment life cycle.	10	CO4
Q 9	Design an application which shows the functionality of Explicit intent.	10	CO2

SECTION-C
(2Qx20M=40 Marks)

Q 10	Discuss all the steps to publish an android application on Google Play Store. Take a suitable example of your choice and explain the publication process. Or	20	CO3

	Discuss the role of SQLite database in android app development. How to create and add data to SQLite database? Explain with example.		

Q 11	"Animations are helpful in creating attractive and interactive android applications". Justify the statement. Design an application which shows following operations:
	  a) Fade In
	  b) Fade Out
		20	**CO4**