


Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2023</b>			
<b>Course: Mobile Application Development</b> <b>Program: B.Tech. CSE-GG</b> <b>Course Code: CSMC 3014</b>		<b>Semester: V</b> <b>Time: 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>Instructions: 1. Attempt all questions.</b> <b>2. Write the code in java wherever is required.</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.		Marks	CO
Q 1	Differentiate between View and ViewGroup. Take suitable example for explanation.	4	CO1
Q 2	Draw neat and clean diagram of Android Architecture.	4	CO2
Q 3	Differentiate between Style and Theme.	4	CO3
Q 4	Define a) Activity, b) Service.	4	CO4
Q 5	Discuss the role of Manifest file in app development.	4	CO1
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 6	Design a Simple Calculator app. Provide all necessary steps for the said app.	10	CO2
Q 7	Draw and explain the lifecycle methods for: a) Bounded Service b) Unbounded Service.	10	CO3
Q 8	Draw and explain the Activity life cycle methods with example. Write down the java code for activity life cycle. Or Discuss the concept of animations in android. Provide suitable example for the same.	10	CO4
Q 9	Design an application which shows the functionality of Explicit intent.	10	CO2
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
Q 10	Discuss the role of location based services in app development. Or Discuss the basic operations of SQLite database. Explain anyone with suitable example.	20	CO3

Q 11	Write a short note on: a) Publication process of an android app b) Types of Layouts	20	CO4
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