


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2023			
Course: Mobile Application Development Program: BCA Course Code: CSBC 3017		Semester: V Time: 03 hrs. 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	Differentiate between Service and Intent. Provide suitable example for explanation.	4	CO2
Q 3	Define NinePatch drawables.	4	CO3
Q 4	Differentiate between option menu and context menu.	4	CO4
Q 5	Define the following: a) ListView b) GridView	4	CO1
SECTION B (4Qx10M= 40 Marks)			
Q 6	Draw and explain the Activity life cycle methods with example. Write down the java code for activity life cycle.	10	CO2
Q 7	Create an app which shows the fragments. Provide all required steps for your app.	10	CO3
OR			
Q 7	Differentiate between Shared Preferences and SQLite Database. Discuss any four methods of Shared Preferences.	10	CO3
Q 8	Discuss the role of toast in app development. Design an android app which shows the functionality of toast.	10	CO4
Q 9	“Mobile App publication is one of the important aspect.” Justify your answer and provide all necessary steps for publication.	10	CO2

SECTION-C
(2Qx20M=40 Marks)

Q 10	Discuss the following: a) SQLiteOpenHelper class b) SQLiteDatabase class Provide an example to show the functionalities of above mentioned classes.	10+10	CO3
OR			
Q 10	. Illustrate the concept of Services in android app development. Explain the following with example: a) Bounded Service Lifecycle b) Unbounded Service	5+7+8	CO3
Q 11	In location based services, discuss the following: a) Location Object b) How to get the current location c) How to update the updated location	5+7+8	CO4