

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, May 2021

Course : Mobile Application Development using Android	Semester : IV
Program : B.Tech Graphics and Gaming	Time : 03 hrs
Course Code: CSMC2007	Max. Marks : 100

SECTION A

- 1. Each Question will carry 5 Marks**
- 2. Instruction: Write Short answers**

S. No.		CO
Q 1	How different is android runtime to java runtime?	CO1
Q 2	What is fragment? State three advantages of having a fragment?	CO2
Q 3	What is “Dialogs” in Android?	CO3
Q 4	Mention different ways service notifications notify. Explain toast.	CO3
Q 5	Mention icon types and which tool is used to generate different icon types in android studio?	CO4
Q 6	For Android OS, name three IDE’s available for the mobile development, with one line description for each IDE mentioned.	CO2

SECTION B

- 1. Each question will carry 10 marks**
- 2. Instruction: Write brief notes**

Q 7	Android is freely distributed and open source mobile operating system. How do you justify this in comparison with, explaining each component of its architecture?	CO1
Q 8	a) State different types of Dialogs explaining each. b) Explain Nine-Patch drawable.	CO3
Q 9	Explain android application components in detail.	CO2
Q 10	Explain content provider. List at least three methods used to access internal storage	CO3
Q 11	Explain views, view groups and activity. What impact can they have by the styles and themes? OR Define theme and the relation between styles and themes. Explain Style inheritance.	CO4

SECTION C

- 1. Each Question carries 20 Marks.**
- 2. Instruction: Write long answer.**

Q 12

When do we need service over activity? Explain service life cycle and compare with activity lifecycle explaining each stage.

OR

Write code snippets for connecting to SQLite table, inserting data, retrieving data, deleting and modifying data through an android application.

CO4