

	Elaborate about limitation of widgets. Widgets can have how many gestures. Name these gestures.		CO5
SECTION-C			
Q 10	Discuss various standard layouts. Take your own example for comparing Absolute and Table layout. Write a full code for this comparison.	20	CO3
Q11	<p>Discuss Android user interface (UI). How a UI is built? Discuss various input controls in an android application along with their respective classes and descriptions. Write a sample code for creating a Button, Text Field, Check Box, Radio Button and Toggle Button.</p> <p style="text-align: center;">OR</p> <p>Discuss and highlight important points about core component of Google Map API. Discuss syntax for Initial Setup of Google Map. Write and elaborate about syntax Using GPS to find the current location</p>	20	CO4 CO4

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2019

Programme Name: B TECH (CSE+IOT&SC) & (CSE+ECOMM,RA)

Semester : 6th

Course Name : Mobile Applications Development

Time : 03 hrs

Course Code : CSEG 396

Max. Marks : 100

Nos. of page(s) : One

Instructions : Attempt all 11 questions. All questions are compulsory.

SECTION A

S. No.		Marks	CO
Q 1	Comment and briefly discuss Android operating system covering its developer, its competitor OS and various versions of Android OS.	4	CO1
Q 2	(a) How many types of widgets are present in Android? a) 7 b) 4 c) 5 d) 2 (b) Briefly explain configuration qualifiers for Orientation and Aspect Ratio.	4	CO5 CO4
Q 3	(a) _____class is used to present live camera preview for the user on the screen. (b) The BroadCastReciever class extends _____class.	4	CO5 CO4
Q 4	Write down the sample code for creating a TimePickerDialog and the code for displaying the TimePicker component.	4	CO3
Q 5	For the development of an Android mobile application, which platforms on Windows/Linux/Mac OS are needed? Name system software needed for developing an Android application.	4	CO2

SECTION B

Q 6	Take your own example for writing a code for alert dialog activity code.	10	CO4
Q 7	Discuss briefly Lifecycle methods of an android widget. Elaborate about limitation of widgets. Widgets can have how many gestures. Name these gestures.	10	CO5
Q 8	Positioning of the Toast message can be done using which method. How many parameters this method accepts. Give Brief explanation of these parameters.	10	CO4
Q 9	For what purpose layout managers are used in Android? Name and discuss few standard layouts. Write a sample code for absolute and frame layout. OR As an Android mobile application developer, how would you create and use Resources. Name and discuss various Resources with their respective folder names along with their descriptions.	10	CO2 CO2

SECTION-C

Q 10	Compare and contrast Absolute, Frame, Linear, Relative and Table layout by writing a full code for all these layouts.	20	CO3
Q 11	Elaborate about contract class in context of SQLite Database. Write and explain important syntax to insert Table and column names for a single table. Write syntax to Store information in the SQLite Database. OR Discuss the need of an operating system. Can we run a computer without OS? Justify your answer by taking suitable examples. What functions an OS is expected to perform? Why separate OS were designed for smart phones. Comment and discuss the different OS developed for smart phones by giving a comparative chart of these.	20	CO5