Set-A

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Programme Name: B.Tech. CSE-Mobile Computing   Semester   : V
Course Name   : Mobile Application Development Using Android   Time   : 03 hrs
Course Code   : CSIT 363   Max. Marks : 100
Nos. of page(s)   : 02
Instructions: Attempt all questions.

SECTION A

S. No.		Marks	CO
Q.1	How can your application perform actions that are provided by other application e.g. sending email? Discuss the logic with example.	4	CO1
Q.2	Illustrate the role of adapter in android programming.	4	CO1
Q.3	Describe the role of ADB in android programming.	4	CO2, CO3
Q.4	Discuss about DDMS.	4	CO2, CO3
Q.5	List the name of dialog boxes which are supported by Android platform.	4	CO2, CO3
	SECTION B		
Q.6	a) Illustrate the troubleshooting mechanism of android application which is crashing frequently? b) Differentiate between Toast and Spinner.	6+4	CO2, CO3
Q.7	Describe android services with suitable example.	10	CO3, CO4
Q.8	"Android Option Menus are the primary menus of android" Justify the statement by providing suitable example.	10	CO2, CO3
Q.9	Discuss the role of Android AlarmManager in android programming. Give suitable example.	10	CO3, CO4
	OR		
Q.9	How to create and use nine patch images in android. Explain.	10	CO3, CO4
	SECTION-C		
Q 10.	Write a detailed note on the following: a) ListView b) SearchView	10+10	CO2,

			CO3
	OR		
Q.10	How to publish an android application. Write all the suitable steps, take an example for clarification.	**20**	**CO4**
Q.11	a) List the various storages which are provided by android. b) Create a simple student record management application. Show your creativity to develop the discussed mobile application. Write all necessary steps.	**4+16**	**CO4**

Set-B

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	SECTION A		
S. No.		Marks	CO
Q.1	Discuss the role of AAPT in android programming.	4	CO1
Q.2	Differentiate between a fragment and an activity. Discuss the relationship between the two.	4	CO2
Q.3	Differentiate between a Service and an IntentService? Explain.	4	CO2, CO3
Q.4	What is ANR, and why does it happen?	4	CO2, CO3
Q.5	Discuss intent filters, why filters are required in android programming.	4	CO2, CO3
	SECTION B		
Q.6	Describe any 4 android UI controls. Write suitable code for any two.	4+6	CO1, CO2
Q.7	In android event handling, discuss the following terms: a) Event Listeners b) Event Handlers Give a suitable example to explain the both terms.	4+6	CO2, CO3
Q.8	Write a short note on android styles and themes.	10	CO3
Q.9	List the name of dialog boxes which are supported by Android platform. Describe any two with suitable example.	4+6	CO2, CO3
	OR		
Q.9	Discuss the following terms with suitable examples: (a) Broadcast Receiver (b) Content Provider	5+5	CO3, CO4
	SECTION-C		
Q 10.	Develop a simple mobile application which is storing name and contact details of ten persons.	20	CO4

	OR		
Q.10	Write a detailed note on the following: a) Location Based Services b) Publishing Android Application	**10+10**	**CO4**
Q.11	Write a brief note on the following terms a) ProgressBar b) RatingBar	**10+10**	**CO3,CO4**