UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, April/May 2018

Course: Emerging Technology: Healthcare Mobility (CSEG 357)   **Semester:** VI
Program: B. Tech. CS + Healthcare Informatics
Time: 03 hrs.   **Max. Marks: 100**

Instructions:

SECTION A

S. No.		Marks	CO
Q 1	Explain about the exceptions of Android.	5	CO2
Q 2	What are some measures we can take to avoid ANR?	5	CO1
Q 3	What are application Widgets in android?	5	CO2
Q 4	How to create a new Canvas in android? Explain with an example.	5	CO4

SECTION B

Q 5	How would you check for the presence of a Compass sensor on the system using the hasSystemFeature() method?	10	CO5
Q 6	What is the relationship between the life cycle of an AsyncTask and an Activity? What problems can this result in? How can these problems be avoided?	10	CO2
Q 7	Explain any two of the following: a) Android Support for multiple screen b) Shape drawable c) launcher icon	10	CO4
Q 8	What do you mean by dialog in Android? What are the different types of dialogs available in Android? How to create custom dialog? Explain.		CO3
	OR	10	
	We use SMS interception for system signalling. Is there a mechanism for an app to respond and stop the signaling chain? Is there security around that so that one vendor can't hijack a message and respond to it?		CO3

SECTION-C

Q 9	What are "launch modes"? What are the two mechanisms by which they can be defined? What specific types of launch modes are supported?	20	CO5
Q 10	What are the differences between when the service component in Android App is	20	CO1

	created with startService() and when the service is created with bindService()?		
	OR		
	Explain all the layers in Android architecture.		**CO1**

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Name of Examination (Please tick, symbol is given)	:	MID		END	⊟	SUPPLE	