

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

**Course: Mobile Apps Development: Android (CSEG 394)**  
**Program: B. Tech. CS + Manufacturing Systems**  
**Time: 03 hrs.**

**Semester: VI**  
**Max. Marks: 100**

**Instructions:**

**SECTION A**

S. No.		Marks	CO
Q 1	What do you mean by Styles in Android? Explain with examples.	5	CO4
Q 2	Describe, Android Debug Bridge (ADB).	5	CO3
Q 3	What is the difference between a regular bitmap and a nine-patch image?	5	CO4
Q 4	What do you mean by Application framework? What are the different components of Application framework?	5	CO1

**SECTION B**

Q 5	What is the difference between a fragment and an activity? Explain the relationship between the two.	10	CO2
Q 6	What is an Intent? Can intent be used to provide data to a ContentProvider? Explain.	10	CO2
Q 7	What do you mean by nine patch Drawable in Android? What are the benefits of using it?	10	CO3
Q 8	What do you mean by android theme? Explain the differences between android style and android theme. How to customize our own themes from the existing themes?	10	CO5
	OR		
	What is difference between Serializable and Parcelable? Which is best approach in Android?		CO5

**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 created with startService() and when the service is created with bindService()?	20	CO1
	OR		

	Briefly, explain the Android Architecture.		<b>CO1</b>
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<b>Name of Examination</b> <small>(Please tick, symbol is given)</small>	:	MID		END	≡	SUPPLE	
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