UPES

SET A

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: B.Tech CS TI	**Semester – VII**
Subject (Course): Mobile App Using Android	**Max. Marks : 100**
Course Code : CSIB 476	**Duration : 3 Hrs**
No. of page/s:2	

Section A   **Marks: 20**

Attempt all questions.

Q1. Fill in the blanks [16 marks]

1. _____ is used to glue two components within or across the application.

2. _____ represents one single screen in Android application

3. _____method is used to create a toast message.

4. _____ method is used to remove notification.

5. The tag which is used to apply a theme for an android app _____.

6. In _____ intent, the sender specifies the type of receiver

7. _____element is used for a resizing animation.

8. The component which displays a drop down list from which the user can select any one is _____

Q2. Name the four categories of screen density. **[4 marks]**

Section B   **Marks: 40**
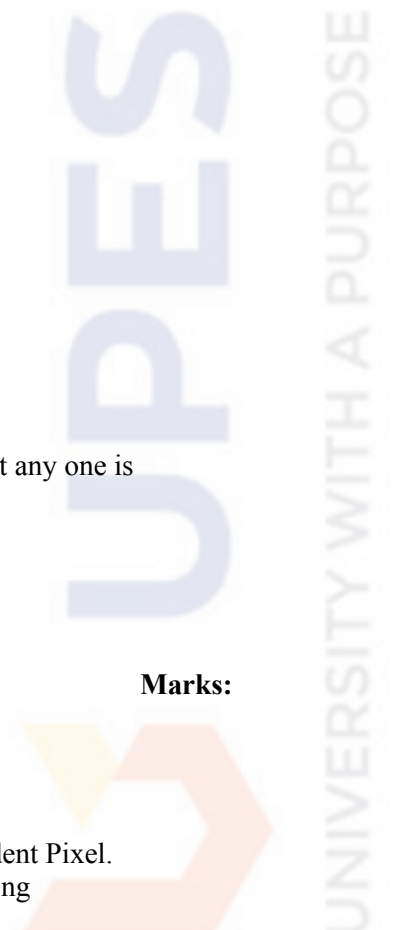
Each question carries 10 Marks

Q3. Define (a) Screen Density (b) Orientation (c) Resolution (d) Density Independent Pixel.
Q4. What is an ICON? Discuss various types of Icons used in Android Programming
Q5. Describe various Android Input Controls, along with the class they belong to.
Q6. What is Intent? Discuss 3 fundamental use cases.

Section C   **Marks:40**
Each question carries 20 Marks

Q7.(a) What is dialog in Android Programming? Discuss various types of dialogs and custom dialogs used in an android application (10)

(b) Write a note on Android Architecture explaining all the layers (10)

Q8. What is Widget? (5) Write the limitations of widgets. (5)
Explain different types of widgets available in Android along with their use. (10)

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SET B
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Program: B.Tech CS TI   Semester –   VII
Subject (Course): Mobile App Using Android   Max. Marks   : 100
Course Code   : CSIB 476   Duration   : 3 Hrs
No. of page/s:1

Section A   **Marks: 20**

Attempt all questions

Q1. List the view components and layouts used in widgets.   **[4]**
Q2. Name the following: **[6]**

a) The intent in which sender doesn't specifies the receiver

b) The method used to remove notification.

c) The tag used to apply a theme to the android app
Q3. Write the four categories under which size of screen falls   **[4]**
Q4. List Three types of action button available for alert dialog   **[3]**
Q5. List 3 killable methods in Android Lifecycle.   **[3]**

Section B   **Marks: 40**
Each question carries 10 Marks

Q3. What is an ICON? Discuss various types of Icons used in Android Programming
Q4. Describe the lifecycle methods of Android Widget
Q5. Describe the steps to apply and start animations.
Q6. Write about Android Manifest.XML and its responsibilities.

Section C   **Marks:40**
Each question carries 20 Marks

Q8. (a) Describe the lifecycle methods of Android Widget. Write the limitations of widgets **[13]**

(b) Discuss the steps involved in Android Application Development. **[7]**
Q9. (a) There are two types of animations an animation resource can define. Discuss. **[8]**

(b) Write a note on Android Architecture explaining all the layers with help of suitable diagram. **[12]**