

## UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: B.Tech CS (OSS&OS)  
Subject (Course): Open Source Mobile Platform

Semester- V  
Max. Marks: 100

Course Code :CSEG-306  
No. of page/s: 2

Duration: 3 Hrs

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### Section A

5×4

#### Instructions:

- a. This section contains four questions. Attempt all questions.
- b. Questions carry equal marks.

1. What is a Broadcast Receiver?
2. What is PNG<sub>o</sub> image? How it is different with normal PNG image?
3. Can you create a custom Views? How?
4. What are the major recent developments in android applications? Elucidate the Historical development of android also?

### Section B

10×4

#### Instructions:

- a. This section contains four questions. Attempt all questions.
- b. Questions carry equal marks.

5. Define style and theme. How are they applied to an activity?
6. Explain about preference fragment?
7. Explain about view animation, tween animation and frame animation?
8. What is ADB? Mention and explain at least three operations you can perform with ADB?

### Section C

20×2

#### Instructions:

- a. This section contains two questions. Attempt all questions.
- b. Questions carry equal marks.
- c. Question no. 9 is compulsory whereas question no. 10 has internal choice.

9. Explain in detail with illustrative example how to use the SQLite database in android?

10. Create an application that animates a string using tween animation?

**OR**

Explain general steps for creating an application using Google maps android API with example?



Roll No: -----



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### Section A

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**Instructions:**

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1. What is service in android? How many types of services do you know?
2. What is a view in android?
3. What is layout in android?
4. What is intent? How many types of intent you know?

### Section B

10×4

**Instructions:**

- a. This section contains four questions. Attempt all questions.
- b. Questions carry equal marks.

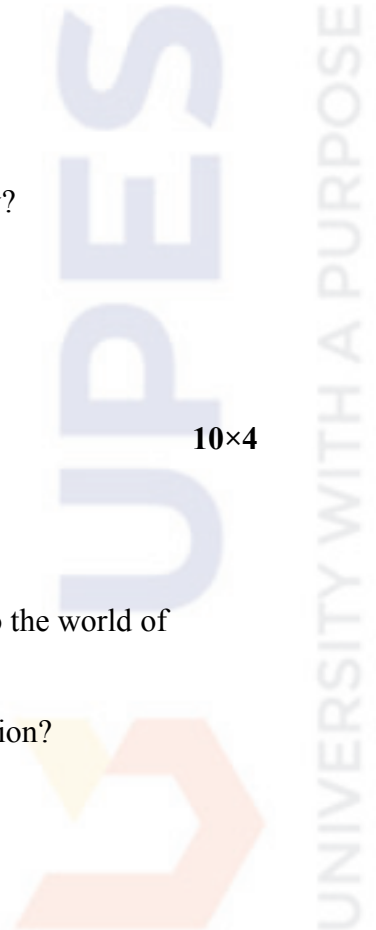
5. Create an Android application that displays the message “Welcome to the world of android”?
6. What are various types of drawing 2D graphics in an android application?
7. Discuss the creation of option menus and context menus?
8. How is a web browser embedded in an activity class?

### Section C

20×2

**Instructions:**

- a. This section contains two questions. Attempt all questions.
- b. Questions carry equal marks.



**c. Question no. 9 is compulsory whereas question no. 10 has internal choice.**

**9.** What are fragments? Show and explain the lifecycle of a fragment?

**10.** What is sound pool? How is it created in android application?

**OR**

Write the code that displays how to use intent to record videos in android development?