Name:	
Enrolment No:	UPES UNIVERSITY WITH A PURPOSE

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Term / Supplementary Examination, May 2021

Course: Open Source Mobile Platform   **Semester: IV**
Program: B.Tech. CSE-OSOS   **Time 03 hrs.**
Course Code: CSOS 3001   **Max. Marks:100**

Instructions: Attempt all the questions.
              In section A, select the correct answer/answers.

SECTION A

S. No.		Marks	CO
Q 1	The operating system used for Android stack is _____ . A. XML B. Java C. Windows D. Linux	**5**	**CO1**
Q 2	Base Adaptor in android is A. Data storage space B. A common class for any adaptor, which can we use for both List view and spinner C. A kind of adapter D. None of the above	**5**	**CO2**
Q 3	When an activity doesn't exist in memory it is in _____ A. Inexistent state B. Loading state C. Running state D. Starting state	**5**	**CO1**
Q 4	What is sandbox in android? A. Each application runs securely in sandbox without interrupting another process B. Android Box C. Android development tool kit C. None of the above	**5**	**CO4**
Q 5	What is contained within the manifest xml file? A. The source code B. The list of strings used in the app C. The permissions the app requires D. None of the above	**5**	**CO1**
Q 6	Which of the following is not a component of an APK file? A. Dalvik executable B. Native Libraries C. Resources D. All of these are components of the APK	**5**	**CO3**

<table>
<tr><td colspan="4" align="center">SECTION B</td></tr>
<tr><td>Q 7</td><td>Differentiate between Relative Layout and Linear Layout. Show suitable example to explain the logic.</td><td>10</td><td>CO1</td></tr>
<tr><td>Q 8</td><td>Discuss the role of DVM in android programming.</td><td>10</td><td>CO2</td></tr>
<tr><td>Q 9</td><td>Create a simple calculator application and explain all steps which are required in creation of application. Write the java code.</td><td>10</td><td>CO2</td></tr>
<tr><td>Q 10</td><td>Draw and explain the activity life cycle. Write the java code to explain all the methods of life cycle.</td><td>10</td><td>CO3</td></tr>
<tr><td>Q 11</td><td>"In android, Styles and Themes are used to change the look and feel of Views and appearance of application based on user's requirements". Justify the statement by providing suitable example of styles and themes</td><td>10</td><td>CO3</td></tr>
<tr><td colspan="4" align="center">SECTION-C</td></tr>
<tr><td>Q 12</td><td>How to publish an android application. Write all the suitable steps, take an example for clarification.</td><td>20</td><td>CO4</td></tr>
<tr><td></td><td align="center">Or</td><td></td><td></td></tr>
<tr><td>Q 12</td><td>Develop a simple mobile application which is storing name and contact details of five persons.</td><td>20</td><td>CO4</td></tr>
</table>