

<b>Name:</b>	 <b>UPES</b> UNIVERSITY WITH A PURPOSE
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, May 2021**

**Program: B.Tech CSE MC**  
**Course: Security in Mobile Computing**  
**Course Code: CSMC-4002**

**Semester: VIII**  
**Time 03 hrs.**  
**Max. Marks: 100**

**Instructions: Attempt all sections**

**SECTION A**

**Attempt all questions. Each question carries 5 marks**

**[30 marks]**

S. No.	Question	Marks	CO
Q1.	Differentiate between Wired and Mobile Networks.	5	CO1
Q2.	Explain the terms: botnet and man-in-middle.	5	CO1
Q3.	Discuss the various challenges in Mobile Computing.	5	CO2
Q4.	What are the foundations of Android security?	5	CO2,C O3
Q5.	List the five significant trends having implications in the enterprise.	5	CO3
Q6.	Explain the eminent threats to mobile OS security.	5	CO2

**SECTION B**

**Attempt all questions. Each question carries 10 marks**

**[50 marks]**

Q6.	Elaborate on the cornerstones of android security.	10	CO1,C O3
Q7.	Explain the best practices for protecting mobile devices from potential threats.	10	CO2,C O4
Q8.	Explain the terms Hash Functions and Public Key Encryption.	10	CO4
Q9.	Explain SSL highlighting the SSL handshake mechanism.	10	CO5
Q10.	Explain the different cloud computing services.	10	CO4

**SECTION-C**

**Attempt all questions. Each question carries 20 marks**

**[20 marks]**

Q11.	Give comments on "Core Idea of Security Enforcement in Android" <p style="text-align: center;"><b>OR</b></p> With the help of a diagram explain the various aspects to Mobile Cloud Computing Architecture	20	CO1,C O4,CO 5
------	---	----	---------------------