


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

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**Online End Semester Examination, Dec 2020**

<b>Course: Enterprise Mobile Application Management</b>	<b>Semester: VII</b>
<b>Program: B.Tech (Hons.) Computer Science and Engineering (Mobile Computing)</b>	<b>Time 03 hrs.</b>
<b>Course Code: CSMC4001</b>	<b>Max. Marks: 100</b>

**SECTION A**

- 1. Each Question will carry 5 Marks**
- 2. Instruction: Complete the statement / Select the correct answer(s)**

S. No.	Question	CO
Q 1	MobileFirst Operations Console for which tasks _____ a) Leave feedback on applications b) Monitor and configure all deployed applications c) Control who can download and install an application d) Store encrypted data on a device	<b>CO1</b>
Q2	_____ feature allows you to create, read, update, and delete data records from a data source and _____ is required for developing MobileFirst adapters.	<b>CO1</b>
Q3	IBM Pure Application System is an integrated, highly scalable system based on _____ providing an _____ computing model in a cloud environment.	<b>CO2</b>
Q4	You can use the mfpdev commands on their own, or in parallel with the MobileFirst Operations Console. (True/False)	<b>CO3</b>
Q5	IBM MobileFirst Platform Foundation can act as the middleware solution to integrate a mobile application with enterprise services and make communication with back-end services easier. (True/False)	<b>CO4</b>
Q6	To allow simpler and faster access to the reports data, the IBM Worklight server will run an analytics data processor task with a default _____ interval.	<b>CO5</b>

**SECTION B**

1. Each question will carry 10 marks
2. Instruction: Write short / brief notes

Q 7	Classify and describe all the features provided by IBM Worklight and MobileFirst Platform for design, develop and deploy any Native or Hybrid Enterprise level Mobile App. (Explain with the help of diagrams)	CO1
Q 8	Demonstrate the IBM Worklight component architecture while illustrating it with diagram. What is the role of encrypted cache in storage; how it is associated with various adapters used towards functioning of mobile app, explain with the help of diagrams and suitable example.	CO2
Q 9	Describe all the authentication realms used with authenticators towards all security tests while designing a mobile app for “Electoral Polling in India”, explain with the help of suitable diagrams.	CO3
Q 10	Explain the role of Operational analytics with subscription management and usage of push notification through IBM Worklight or MobileFirst platform. (Explain with the help of diagrams and case of LPG distribution centre)	CO4
Q 11	Illustrate the benefits of using direct update, its versioning and restrictions in any enterprise mobile app especially designed for the marketing campaigns for the products of the automobile company.	CO5

**Section C**

1. Each Question carries 20 Marks.
2. Instruction: Write long answer.

Q12	<p>Describe all the steps mapped towards Performance and Operational analytics of the mobile app developed for a COVID-19 Hospital. Which all BIRT reports shall be designed using raw data and processing towards environment access, daily visits and unique devices of all the entities of the hospital? (Explain all the necessary aspects using diagrams)</p> <p>OR</p> <p>Create a cloud based MobileFirst Application project structure including UI, Business Logic while identifying various functional units of the chain of Gym and Yoga centres, folder structure for Android and Apple, application testing and preview towards managing them using your Enterprise level Mobile App. (Explain all the necessary aspects using diagrams)</p>	CO5
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