

Name:

Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, May 2019**

**Course: B. Tech. (CSE + MC)**

**Program: Enterprise Mobile Application Development**

**Course Code: CSIT365**

**Semester: VI**

**Time : 03 hrs.**

**Max. Marks: 100**

**Instructions: All questions are mandatory in Sec-A, Four questions in Sec-B and Two questions in Sec-C**

**SECTION A**

S. No.		Marks	CO
Q 1	What is Google cloud messaging and explain in brief?	4	CO1
Q 2	What are the steps to create an application in the Mobile First Operations console?	4	CO2
Q 3	Explain Direct mode and Interactive mode.	4	CO3
Q 4	What are the steps to install Android Studio for android development, explain?	4	CO4
Q 5	Explain Mobile First Foundation components.	4	CO5

**SECTION B**

Q 6	Explain the architecture of Push notification architecture.	10	CO4
Q 7	Explain the benefits of creating a cross-platform enterprise mobile app with JavaScript adapters.	10	CO3
Q 8	Explain how to Manage Mobile First Server instances	10	CO5
Q 9	Explain the usage of registering an android application with IBM mobile first platform.	10	CO2

**OR**

	Explain the working with Cordova, while creating mobile app using mobile first platform		CO2
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**SECTION-C**

Q 10	Describe all steps used in creating a mobile app using Mobile First Server for implementing a health care solution created for various mobile platforms.	20	CO5
Q 11	Create a stage wise Business Process Flow including login measures along with security of all the entities involved for Library at UPES. Explain using software engineering diagrams used for developing mobile app.	20	CO1, CO4

**OR**

	Create a Business Process Flow including login measures along with security of all the entities involved for Suvidha Stores. Explain using software engineering diagrams used for developing mobile app.		CO1, CO4
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<b>Name:</b>	 <b>UPES</b> <small>UNIVERSITY WITH A PURPOSE</small>
<b>Enrolment No:</b>	

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**SECTION A**

S. No.		Marks	CO
Q 1	What is Crash capture?	4	CO1
Q 2	What are the features of Cordova, explain?	4	CO2
Q 3	How to start the MobileFirst Server?	4	CO3
Q 4	What is MobileFirst Foundation Client SDKs?	4	CO4
Q 5	Explain the features of Mobile First Server.	4	CO5

**SECTION B**

Q 6	Explain the usage of JSON in Push notification architecture.	10	CO4
Q 7	How application authenticity works in mobile first platform, what supports are provided while creating security check?	10	CO5
Q 8	Explain the importance Mobile First Server instances in Entrepreneurial Development.	10	CO2
Q 9	What are benefits of applying security checks in mobile app using mobile first platform?	10	CO3

**OR**

	Explain the working with X-Code while creating a mobile app.		CO3
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**SECTION-C**

Q 10	Describe all steps used in creating a mobile app using Mobile First Server for a pharmaceutical store solution created using cross platform technique.	20	CO5
Q 11	Create a stage wise Business Process Flow including login measures along with security of all the entities involved for Food Court at UPES. Explain using software engineering diagrams used for developing mobile app.	20	CO1, CO4

**OR**

	Create a Business Process Flow including login measures along with security of all the entities involved for Reliance Mega Mart. Explain using software engineering diagrams used for developing mobile app.		CO1, CO4
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