	BMSCOLLEGEOF ENGINEERING,BANGALORE-19 **(Autonomous Institute,AffiliatedtoVTU)** **Department Name: Computer Science and Engineering**

THIRD INTERNALS

Course Code: 20CS5PEIOT	**Course Title:** Internet Of Things	
Semester: 5th (A,B,C)	**Max Marks:** 40	**DATE:** 06/01/2020
Faculty Handling the Course	Dr.K.Panimozhi	

Instructions: ***Internal choice is provided in Part C.***

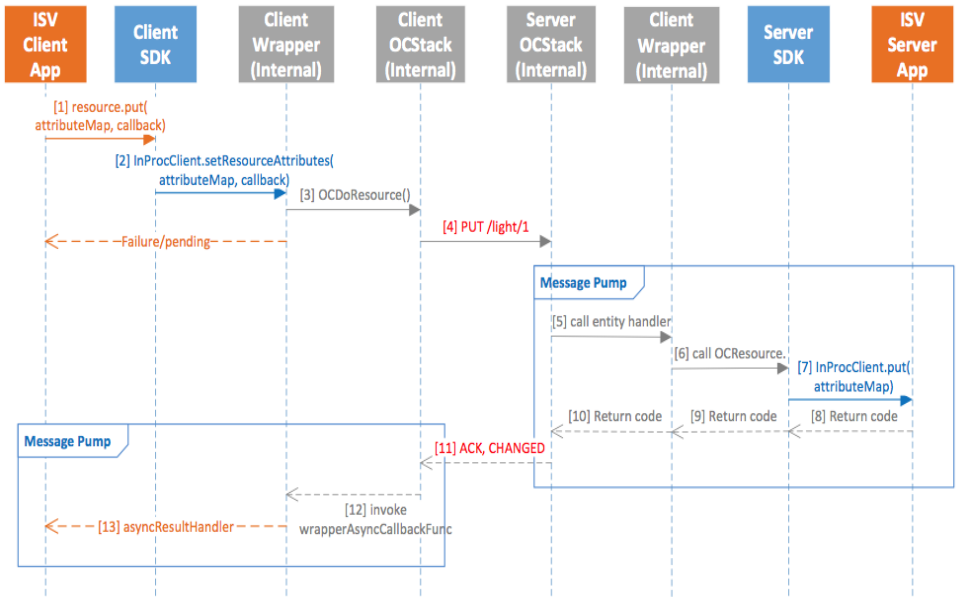
PART-A

Total 5 Marks (No choice)*

No.	Question	Marks
1.	Describe the features of IoTivity framework.	05

PART-B

Total 15 Marks (No Choice, each question should be maximum of 5 marks)*

No.	Question	Marks
2a.	Analyse the following sequence diagram to interpret the service provided by the Iotivity framework and explain each step briefly. 	05
2b.	Prove that Amazon EC2 with Autoscaling delivers pay as you go compute facility in the cloud	05
2c.	Justify the suitability of WAMP for IoT applications.	05

PART- C

Total 20 marks (Choice is between (3a or 3b) and (4a or 4b)

No.	Quest	Marks
3a.	Demonstrate how a resource can be queried with the server along with appropriate sequence diagrams.	10
	OR	

3b.	Demonstrate how a resource can be registered in the server along with appropriate sequence diagrams.	10
4a	Write a program for launching and stopping an EC2 instance in AWS (Amazon Web Service)	10
	OR	
4b.	Write a program to implement WAMP Publisher and WAMP Subscriber using AutoBahn framework.	10