



**BMSCOLLEGE OF ENGINEERING, BANGALORE-19**  
**(Autonomous Institute, Affiliated to VTU)**  
**Department Name: Computer Science and Engineering**

**THIRD INTERNALS**

<b>Course Code:</b> 20CS5PEIOT	<b>Course Title:</b> Internet Of Things	
<b>Semester:</b> 5 <sup>th</sup> (A,B,C)	<b>Max Marks:</b> 40	<b>DATE:</b> 06/01/2020
<b>Faculty Handling the Course</b>	Dr.K.Panimozhi	
<b>Instructions:</b> <i>Internal choice is provided in Part C.</i>		

**PART-A**

**Total 5 Marks (No choice)\***

No.	Question	Marks
1	Describe the features of WAMP protocol	05

**PART-B**

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

No.	Question	Marks
2a.	Analyze the following diagram to describe about the behavior of resource model. 	05
2b.	Explain the role of things manager in Iotivity framework	05
2c.	Justify how Amazon RDS is suitable 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 registered in the server along with appropriate sequence diagrams.	10
OR		
3b.	Demonstrate how a resource can be queried for data along with appropriate sequence diagrams.	10
4a	Write a python program to read and write from an SQS queue	10
OR		
4b.	Write a python Program to provide Auto scaling of Amazon EC2 instance.	10