

**BANGALORE INSTITUTE OF TECHNOLOGY**  
**K R ROAD, V V PURA, BENGALURU-04**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**I Internals - 2024-25 (Odd)-Improvement**

**BATCH: 2023**

**SEM: 3<sup>rd</sup>**

**MAX MARKS: 30**

**COURSE (CODE):**

**DATE & TIME:** / /2024 ,3:30PM to 4:30PM

**USN:**

**Note: Answer any one full question from each PART**

<b>Q. No.</b>	<b>PART A (Module – I, III)</b>	<b>15M</b>	<b>CO's</b>	<b>PO's</b>	<b>Blooms Levels</b>
<b>1.a)</b>	Define cloud computing. List 5 characteristics of cloud computing.	5	1	1,2,3	3
<b>1.b)</b>	With neat diagram explain NIST reference model.	5	1	1,2,3	3
<b>1.c)</b>	Explain three delivery models and 4 deployment models.	5	3	1,2	2
<b>OR</b>					
<b>2.a)</b>	Discuss the ethical issues in cloud computing.	4	1	1,2,3	3
<b>2.b)</b>	Discuss the services offered by Amazon web service access from AWS management console	6	3	1,2,3	2
<b>2.c)</b>	Compare the services provided by Google and windows	5	3	1,2,3	2
<b>PART B(Module –I, III)</b>					
<b>3.a)</b>	Define workflows in cloud computing. List characteristics of workflow.	4	1	3	3
<b>3.b)</b>	With neat diagram compare the lifecycle of workflow and life cycle of computer program.	6	1	3	3
<b>3.c)</b>	Discuss the classification of workflow patterns.	5	1	1,2,3	3
<b>OR</b>					
<b>4.a)</b>	Explain With neat diagram in detail the Zookeeper Coordination Service.	5	1	1,2	3
<b>4.b)</b>	Explain the case study of the Grep the web application.	4	1	1,2,5	3
<b>4.c)</b>	Explain in brief VMM Virtualizes the CPU and Memory .	6	3	1	2