

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION SP/2025)**

**CLASS: BCA
BRANCH: BCA**

**SEMESTER : VI
SESSION : SP/2025**

SUBJECT: CA357 INTRODUCTION TO CLOUD COMPUTING

TIME: 02 Hours

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
-

		CO	BL
Q.1(a)	Define Cloud and list its benefits.	[2] 1	1
Q.1(b)	Explain the key characteristics of cloud computing.	[3] 1	2
Q.2(a)	Write a short note on Distributed Systems.	[2] 1	1
Q.2(b)	How does Web 2.0 contribute to the growth and adoption of cloud computing?	[3] 1	4
Q.3(a)	Differentiate between Type 1 and Type 2 Hypervisors.	[2] 2	2
Q.3(b)	Describe the key components of the Infrastructure as a Service (IaaS) layer.	[3] 2	2
Q.4(a)	Explain the advantages of the Software as a Service (SaaS) model.	[2] 2	2
Q.4(b)	Differentiate between Public and Private Clouds.	[3] 2	4
Q.5(a)	List the different type of services provided by AWS.	[2] 3	1
Q.5(b)	Describe key features of Amazon EC2.	[3] 3	2

:.....27/02/2025:.....E