BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: MCA   SEMESTER : III
BRANCH: MCA   SESSION : MO/2022

SUBJECT: CA523 CLOUD COMPUTING

TIME: 3:00 Hours   FULL MARKS: 50

INSTRUCTIONS:
1. The question paper contains 5 questions each of 10 marks and total 50 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Before attempting the question paper, be sure that you have got the correct question paper.
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

Q.1(a)	Define Cloud Computing.	[2]
Q.1(b)	What is dynamic provisioning? Explain.	[3]
Q.1(c)	Discuss the characteristics of cloud computing in detail.	[5]
Q.2(a)	What is parallel Processing?	[2]
Q.2(b)	Differentiate between shared memory MIMD Machine and Distributed Memory MIMD Machine.	[3]
Q.2(c)	Explain Remote Procedure Call (RPC) in detail.	[5]
Q.3(a)	What is virtualization?	[2]
Q.3(b)	What are the disadvantages of virtualization?	[3]
Q.3(c)	What is Xen ? Discuss its elements of virtualization	[5]
Q.4(a)	What are the fundamental components introduced in the cloud reference Model?	[2]
Q.4(b)	Classify the different types of clouds.	[3]
Q.4(c)	List some of the challenges in cloud computing.	[5]
Q.5(a)	What are the types of applications that can benefit from cloud computing ?	[2]
Q.5(b)	Describe how cloud computing technology can be applied to support remote ECG monitoring.	[3]
Q.5(c)	Describe the key features of Google Apps.	[5]

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