

3C3001

Roll No. 22C1XX600

Total No. of Pages: 2

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MCA III - Sem. (Main / Back) Exam., - 2024
MCA - 301 Cloud Computing

Time: 3 Hours

Maximum Marks: 70
Min. Passing Marks: 28

Instructions to Candidates:

Attempt all ten questions from Part A. All five questions from Part B and three questions out of five from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing may suitably be assumed and stated clearly. Units of quantities used /calculated must be stated clearly.

*Use of following supporting material is permitted during examination.
(Mentioned in form No. 205)*

1. NIL

2. NIL

PART - A

[10×2=20]

(Answer should be given up to 25 words only)

All questions are compulsory

- ~~Q.1~~ What is Cloud?
- ~~Q.2~~ State the name of the different types of Clouds.
- ~~Q.3~~ What is the advantage of Cloud computing?
- ~~Q.4~~ Who are considered as the service providers in Cloud Computing Environment?
- ~~Q.5~~ What do you mean by Virtual Clusters?

- ~~Q.6~~ What do you mean by the Virtualization of CPU?
~~Q.7~~ What is Risk Mitigation?
~~Q.8~~ What do you mean by Securing the Cloud?
~~Q.9~~ What do you mean by Process as a service?
~~Q.10~~ Name any two Cloud service providers.

[5×4=20]

PART – B

(Analytical/Problem solving questions)

Attempt all five questions

- ~~Q.1~~ What are the Characteristics of Cloud Computing?
~~Q.2~~ Explain the challenges and risks in cloud adoption.
~~Q.3~~ Explain a few features of VM ware and Microsoft Hyper-V.
~~Q.4~~ State and explain in brief the Legal issues in Cloud Computing.
~~Q.5~~ Explain information as a service with an appropriate example.

[3×10=30]

PART – C

(Descriptive/Analytical/Problem Solving/Design Questions)

Attempt any three questions

- ~~Q.1~~ Explain the Cloud Architecture with diagram.
~~Q.2~~ Explain the features and benefits of Service Models: Software as a Service (SaaS), Platform as a Service (PaaS), Infrastructure as a Service (IaaS).
Q.3 Describe the Resources Management Concept in Virtualization.
Q.4 Explain the Trust Management using an appropriate example.
Q.5 Explain Disaster Management and Recovery Planning in Cloud.