

Total No. of Questions: 20

Total No. of Pages: 02

Roll No. _____

Paper Code
3C3001

MCA III-Sem (Main & Back) Exam Jan 2026
MCA-301(N) Cloud Computing
3C3001

Time : 3 Hours

Maximum Marks : 70

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

Schematic diagrams must be shown wherever necessary. Any data 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(As mentioned in form No.205)

1-NIL _____ 2-NIL _____

Part A (Word limit 25)

10x2=20

- Q.1 What do you mean by Cloud Computing ?
- Q.2 Write advantages of Cloud computing.
- Q.3 What do you mean by Hybrid cloud ?
- Q.4 What do you mean by public cloud ?
- Q.5 What do you mean by virtualization ?
- Q.6 What is virtual cluster ?
- Q.7 How to ensure security of cloud information ?
- Q.8 What do you mean by SLA (Service Level Agreement)?
- Q.9 What is disaster recovery planning?
- Q.10 What do you mean by storage as a service ?

Part B (Word limit 100 only)

5x4=20

- Q.1 Write challenges in Cloud Computing.
- Q.2 What do you mean by SaaS and PaaS?
- Q.3 Explain VMware and Microsoft Hyper-V.

- Q.4 Explain Risk Mitigation in cloud security.
Q.5 Define a cloud for enterprise.

Part-C (Any three)

3x10=30

- Q.1 Explain types of clouds and services model of cloud.
Q.2 Explain Cloud architecture, features and benefits of service models.
Q.3 Explain characteristics of virtualization environment and taxonomy of virtualization techniques.
Q.4 Explain Cloud security services, design principles and security challenges.
Q.5 Explain disaster management in cloud computing.