

Question Paper

Exam Date & Time: 30-Apr-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal School of Information Sciences (MSIS), Manipal
Second Semester Master of Engineering - ME (Cyber Security) Degree Examination - April / May 2024
Cloud Security and Data Privacy [CYS 5233]

Marks: 100

Duration: 180 mins.

Tuesday, April 30, 2024

Answer all the questions.

- 1) Discuss the need for Virtualization in cloud computing. (L2, CO1, PO4) (10)
- 2) Compare Containers and Virtual Machines. (L2, CO1, PO4) (10)
- 3) Discuss the risk assessment associated with cloud computing. (L2, CO2, PO4) (10)
- 4) Explain the working of serverless computing (L2, CO2, PO4) (10)
- 5) Explain Authentication and Authorization in Cloud Infrastructure-based Services. (L2, CO2, PO4) (10)
- 6) Define Roles in Cloud Computing. Explain Role-based Access control. (L2, CO3, PO5) (10)
- 7) Compare between data security and privacy. (L2, CO2, PO4) (10)
- 8) Explain the phases of a data breach. (L2, CO3, PO5) (10)
- 9) Summarize the essential elements of cloud data privacy. (L2, CO3, PO5) (10)
- 10) Explain Data privacy Ethics in Cloud networks. (L2, CO3, PO5) (10)

-----End-----