

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

THIRD SEMESTER – NOVEMBER 2022

PCS 3601 – CLOUD COMPUTING

Date: 02-12-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART – A

(10 x 2 = 20 Marks)

Q. No

Answer ALL questions

- 1 Define Cloud computing.
- 2 What is utility computing?
- 3 State any two challenges of SaaS.
- 4 What is Hub and Spoke architecture?
- 5 Enumerate any two benefits of Infrastructure as a Service.
- 6 Compare Live and cold migration.
- 7 What is Scaling?
- 8 List any two advantages of Community cloud.
- 9 What is production readiness for cloud services?
- 10 State the purpose of CMMM.

PART – B

(5 x 8 = 40 Marks)

Answer ALL the questions

- 11 (a) Explain the cloud infrastructure management in detail.
(Or)
(b) Explain the layers and types of clouds.
- 12 (a) Describe B2B integration services.
(Or)
(b) Describe the evolution of SaaS.
- 13 (a) Elucidate the features of Amazon EC2.
(Or)
(b) Describe the overview on virtualization technology and its architecture.
- 14 (a) Explain the advantages and limitations of private cloud.
(Or)
(b) Describe the advantages and limitations of Hybrid cloud.
- 15 (a) Explain data security in the cloud.
(Or)
(b) Describe the cloud service life cycle.

PART – C

(2 x 20 = 40 Marks)

Answer any TWO questions

16. (a) Track the roots of cloud computing with focus on hardware virtualization and SOA. (10)
(b) Explain the different cloud integration scenarios. (10)
17. (a) Elaborate on Platform as a service with an example. (10)
(b) Compare the different cloud deployment models based on significant features. (10)
18. (a) Describe any two change management models with neat diagrams. (10)
(b) Elaborate on the challenges and risks involved in cloud computing. (10)

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