



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

THIRD SEMESTER – APRIL 2023

PCS 3601 – CLOUD COMPUTING

Date: 08-05-2023

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

PART – A

(10 x 2 = 20 Marks)

Q. No	Answer ALL questions
1	Define Cloud computing.
2	What are web services?
3	What is Hub & spoke architecture?
4	Differentiate homogeneous and heterogeneous cloud integration scenarios.
5	Define Infrastructure as a service.
6	Compare live and cold migration.
7	State any two limitations of private cloud.
8	Define Multitenancy.
9	What are KPI's?
10	Expand PDCA and state its use.

PART – B

(5 x 8 = 40 Marks)

Answer ALL the questions

11	(a) Explain in brief the roots of cloud computing. (Or) (b) Explain the challenges and risks involved in cloud computing.
12	(a) Elaborate the challenges of SaaS. (Or) (b) Describe ANY TWO integration methodologies.
13	(a) Explain the life cycle of Virtual Machine. (Or) (b) Describe the advantages and limitations of PaaS.
14	(a) Explain the benefits and limitations of public cloud. (Or) (b) Highlight the benefits and limitations of community cloud.
15	(a) Explain the steps involved in Lewin's change management model. (Or) (b) How to achieve production readiness for cloud services?

PART – C**(2 x 20 = 40 Marks)****Answer any TWO questions**

16.	(a) Describe the layers and types of clouds with diagrams.	(10)
	(b) Explain Integration as a service in the cloud era.	(10)
17.	(a) Elaborate the core services that are used in Infrastructure as a service.	(10)
	(b) Compare the different cloud deployment models based on significant features.	(10)
18.	(a) Explain about organization readiness for change management.	(10)
	(b) Elaborate on the seven step model of migrating into a cloud.	(10)

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