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(FOR THE CANDIDATES ADMITTED

25PCS207

DURING THE ACADEMIC YEAR 2025-2027 Only)

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : MAY- 2026

M.Sc. Computer Science

MAXIMUM MARKS: 75

SEMESTER: II

TIME : 3 HOURS

25PCS207 CLOUD COMPUTING

Section - A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS. (K1)

MULTIPLE CHOICE QUESTIONS.

- 1) Cloud computing is primarily based on_____
 - a) Distributed computing
 - b) Local computing
 - c) Personal computing
 - d) Parallel computing only
- 2) Which of the following is an example of a cloud deployment model?
 - a) Hybrid cloud
 - b) Private network
 - c) Local server
 - d) Desktop virtualization
- 3) Reliability in cloud design ensures_____
 - a) The service is always free
 - b) High availability and fault tolerance
 - c) Limited data access
 - d) Low-cost operations
- 4) PaaS provides the services for _____
 - a) Only hardware resources
 - b) Platform for application development
 - c) Only network access
 - d) File-based storage
- 5) What is the primary objective of cloud computing?
 - a) Security
 - b) Costreduction
 - c) Speed
 - d) Reliability

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES(K2)

- 6) What is cloud computing?
- 7) Define “Cloud Insights”.
- 8) Write any two features of IaaS.
- 9) What do you mean by CloudSim?
- 10) What is VMWare.

SECTION – B (5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

- 11) a) Discover the origins of cloud computing.
(OR)
b) Examine the essential characteristics of cloud computing.
- 12) a) Distinguish between the utility computing and enterprise grid computing.
(OR)
b) Highlight the benefits of cloud computing.

(CONT....2)

- 13) a) Summarize the features and benefits of PaaS.
(OR)
b) Estimate the advantages of cloud computing.
- 14) a) Explain the concept of CloudSim simulator.
(OR)
b) Outline the salient features of Green Cloud computing.
- 15) a) Illustrate the simulator basics of the VMWare simulation.
(OR)
b) Describe the advantages of VMware virtualization.

Section-C
MARKS)

(5 X 8 = 40

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.

- 16) a) Compare and construct the cloud providers with traditional IT service providers. (K4)
(OR)
b) Analyze the roots of cloud computing. (K4)
- 17) a) Examine the limitations of cloud computing. (K5)
(OR)
b) Assess the security of third party services in cloud computing. (K5)
- 18) a) Identify the challenges and risks in cloud adoption. (K4)
(OR)
b) Differentiate between public clouds and private clouds. (K4)
- 19) a) Draw and explain the general architecture of CloudSim. (K5)
(OR)
b) Elaborate on the working platforms of CloudSim. (K5)
- 20) a) Outline the steps to create a new virtual machine on a local host. (K4)
(OR)
b) Describe the procedure for starting and stopping a virtual machine. (K4)

Ethical paper