

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MSc DEGREE EXAMINATION MAY 2025
(Second Semester)

Branch – **APPLIED ELECTRONICS**

CLOUD COMPUTING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks

(10 × 1 = 10)

Question No.	Question	K Level	CO
1	What is Cloud Computing? a) Cloud Computing means providing services like storage, servers, database, networking, etc b) Cloud Computing means storing data in a database c) Cloud Computing is a tool used to create an application d) None of the mentioned	K1	CO1
2	Who is the father of cloud computing? a) Sharon B. Codd b) Edgar Frank Codd c) J.C.R. Licklider d) Charles Bachman	K2	CO1
3	Which of the following is not a type of cloud server? a) Public Cloud Servers b) Private Cloud Servers c) Dedicated Cloud Servers d) Merged Cloud Servers	K1	CO1
4	Which of the following are the features of cloud computing? a) Security b) Availability c) Large Network Access d) All of the mentioned	K2	CO1
5	Which of the following is a type of cloud computing service? a) Service-as-a-Software (SaaS) b) Software-and-a-Server (SaaS) c) Software-as-a-Service (SaaS) d) Software-as-a-Server (SaaS)	K1	CO1
6	Which of the following is the application of cloud computing? a) Adobe b) Paypal c) Google G Suite d) All of the above	K2	CO1
7	Which of the following is an example of the cloud? a) Amazon Web Services (AWS) b) Dropbox c) Cisco WebEx d) All of the above	K1	CO1
8	Applications and services that run on a distributed network using virtualized resources is known as _____ a) Parallel computing b) Soft computing c) Distributed computing d) Cloud computing	K2	CO1
9	Which of the following is an example of a PaaS cloud service? a) Heroku b) AWS Elastic Beanstalk c) Windows Azure d) All of the above	K1	CO1
10	Which of the following is an example of an IaaS Cloud service? a) DigitalOcean b) Linode c) Rackspace d) All of the above	K2	CO1

Cont...

SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks

(5 × 7 = 35)

Question No.	Question	K Level	CO
11.a.	Define cloud computing. How does it differ from traditional computing models?	K2	CO3
	(OR)		
11.b.	State the security and compliance considerations in cloud computing, and how can organizations mitigate risks?		
12.a.	How can organizations leverage cloud insights to drive business innovation and strategic decision-making?	K3	CO2
	(OR)		
12.b.	How can cloud insights contribute to optimizing operational efficiency and resource management?		
13.a.	Explain cloud architecture, and why is it critical for modern IT infrastructure?	K5	CO4
	(OR)		
13.b.	How does the Platform Layer (PaaS) enhance application development and deployment in the cloud?		
14.a.	How does a cloud simulator help in optimizing cloud resource management.	K3	CO4
	(OR)		
14.b.	Classify green cloud computing, and why is it important?		
15.a.	Survey VMware, and how does it relate to virtualization and simulation?	K3	CO4
	(OR)		
15.b.	Outline the benefits of using VMware's simulation capabilities in software development and testing.		

SECTION - C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks

(3 × 10 = 30)

Question No.	Question	K Level	CO
16	Justify core components of cloud computing.	K4	CO5
17	Distinguish cloud insights used to enhance data-driven decision-making across different business functions.	K4	CO4
18	Compare and contrast public, private, and hybrid cloud models. What are the benefits of each?	K5	CO5
19	Highlight cloud simulators integrate with other tools and platforms for comprehensive cloud testing and analysis.	K4	CO3
20	Trace VMware's virtualization technology contribute to efficient resource management in simulated environments.	K6	CO2