

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MSc DEGREE EXAMINATION MAY 2024
(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)

Module No.	Question No.	Question	K Level	CO
1	1	Which one of the following is not a feature of cloud computing? a) Reliability b) Agility c) Scalability d) Decentralization	K1	CO1
	2	Cloud computing is a kind of abstraction which is based on the notion of combining physical resources and represents them as _____ resources to users. a) Real b) Cloud c) Virtual d) Logical	K2	CO2
2	3	Which of the following is an advantage of Public Cloud? a) Performance depends on speed of internet b) Lacks proper control c) Scalability d) Customization is not possible	K1	CO1
	4	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	CO2
3	5	Which architectural layer is used as a backend in cloud computing? a) Cloud b) soft c) client d) Server	K1	CO1
	6	In which of the following cloud service model, applications reside on the top of the cloud stack? a) IaaS b) PaaS c) SaaS d) JaaS	K2	CO2
4	7	Which one of the following is Cloud Platform by Amazon? a) Azure b) AWS c) Cloudera d) Oracle	K1	CO1
	8	Which one of the following refers to the non-functional requirements like disaster recovery, security, reliability, etc? a) Service Development b) Quality of service c) Plan Development d) Technical Service	K2	CO2
5	9	Hypervisor acts as a _____. a) Virtual Machine b) Virtual Machine Manager c) Virtual Transmitter d) Booting device	K1	CO1
	10	The machine on which the virtual machine is created is known as a) Host Machine b) Guest Machine c) Visitor Machine d) Client Machine	K2	CO2

Cont...

SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain about on demand self services in cloud computing.	K4	CO1
	(OR)			
	11.b.	Analyze routes of cloud computing.		
2	12.a.	What are the limitations of cloud computing?	K5	CO2
	(OR)			
	12.b.	Explain about utility and enterprise grid computing.		
3	13.a.	Analyze challenges and risk in cloud adoption.	K4	CO3
	(OR)			
	13.b.	Examine the public cloud.		
4	14.a.	Explain GridSim simulators.	K5	CO4
	(OR)			
	14.b.	Describing about Green Cloud.		
5	15.a.	List out the advantages of VMware virtualization.	K6	CO5
	(OR)			
	15.b.	Design steps for create a new virtual machine on local host.		

SECTION -C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Examine cloud components and essential characteristics of cloud.	K4	CO1
2	17	Inspect the following i) scalability ii) simplicity iii) security.	K4	CO2
3	18	Apparaise the Infrastructure as a Service (IaaS).	K5	CO3
4	19	Explain about working platform for Cloud Sim.	K5	CO4
5	20	Elaborate the types of virtualization.	K6	CO5

Z-Z-Z

END