

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2025
(Sixth Semester)

Branch- COMPUTER TECHNOLOGY

CLOUD COMPUTING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

1. Which of the following is a type of cloud computing service?
(i) Service-as-a Software (SaaS) (ii) Software-and-a-server (Saas)
(iii) Software-as-a-Service (SaaS) (iv) Software-as-a-Server (SaaS)
2. Find the correct one, it helps a user to have remote access to an application from a server.
(i) Application Virtualization (ii) Network Virtualization
(iii) Desktop Virtualization (iv) Storage Virtualization
3. Name the cloud computing model in which the infrastructure and services are owned and operated by a third-party provider,
(i) Private (ii) Public
(iii) Protected (iv) Hybrid
4. Which one of the following is an agent-based software product that provides the support necessary for the development and deployment of distributed applications in the cloud ?
(i) Microsoft Azure (ii) Bean
(iii) JBoss (iv) Aneka
5. Which of the following is the cloud platform provided by Amazon?
(i) AWS (ii) Cloud dera
(iii) Azure (iv) All the above

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a. What are the characteristics and benefits of Cloud computing?
OR
b. Define Cloud Computing. Write its historical developments.
- 7 a. Examine the hardware virtualization techniques of cloud computing.
OR
b. List out the pros and cons of virtualization techniques.
- 8 a. Analyze the features of Paas and Iaas providers.
OR
b. Give short notes on Community cloud.

Cont...

- 9 a. Narrate Private cloud deployment mode.
OR
b. Outline the concept of Aneka SDK.
- 10 a. Summarize about Microsoft Azure.
OR
b. How can Social networking application be stored in Cloud computing.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a. Discuss the cloud computing reference model.
OR
b. Elucidate computing platforms and technologies in brief.
- 12 a. Discuss the Taxonomy of virtualization techniques.
OR
b. Explain VMware and Microsoft Hyper-V in detail.
- 13 a. Classify different types of cloud and explain briefly.
OR
b. Infer about Cloud interoperability and standards, scalability and fault tolerance.
- 14 a. Describe about Aneka container.
OR
b. Enumerate logical organization of Aneka cloud.
- 15 a. Illustrate the features of Google App engine.
OR
b. Elucidate different types of cloud storage with neat diagram.

Z-Z-Z

END