

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2022
(Fifth Semester)

Branch – INFORMATION TECHNOLOGY

CLOUD COMPUTING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

1. A _____ is a collection of independent computers that appears to its users as a single coherent system.
(i) Cloud (ii) Independent
(iii) Distributed (iv) AWT
2. AJAX?
(i) Architecture of Java and XML (ii) Asynchronous Java and XML
(iii) Asynchronous JavaScript and XML (iv) Advanced JavaScript and XML
3. Which technique allows sharing a single physical instance of a resource or an application among multiple customers and organizations?
(i) Hybrid (ii) Multi-Share
(iii) Virtualization (iv) Service
4. VMware's technology is based on the concept of _____.
(i) Network virtualization (ii) Desktop virtualization
(iii) Storage virtualization (iv) Full virtualization
5. Which technique allows source instruction is converted to native instruction with equal function?
(i) Translation (ii) Conversion
(iii) Binary Translation (iv) Interpretation
6. Which one is the component that directly manages the underlying hardware?
(i) MSR (ii) APIC
(iii) Hypervisor (iv) Scheduler
7. _____ is the lowest level of software stack representing the Aneka Container.
(i) Foundation (ii) Profiling
(iii) Software (iv) Fabric
8. How many types of Clouds available in Cloud Computing?
(i) 6 (ii) 5
(iii) 4 (iv) 3
9. _____ is a container of object in storage services.
(i) Object (ii) Bucket
(iii) Domain (iv) Resources
10. The most popular solution for online document storage is _____.
(i) Google Docs (ii) XIOS
(iii) Drop Box (iv) Eye OS

Cont...

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a Explain about Cloud, Cloud Vision and its Computing Reference Model.
OR
b Analyze Characteristics and Challenges of Cloud Computing.
- 12 a Explain the Characteristics of Virtualized Environment in Cloud Computing.
OR
b Bring out the Pros and cons of virtualization in Cloud Computing.
- 13 a Outline the Economics of the Cloud in Cloud Computing.
OR
b Bring out the effects of Open Challenges in Cloud Computing.
- 14 a Explain about Cloud programming and management in Cloud Computing.
OR
b Analyze the idea on 'Infrastructure-Hardware as a Service'.
- 15 a Outline the Essentials of Cloud Computing in Media applications and Multiplayer Online Gaming.
OR
b Develop your ideas on how Cloud Computing applied in CRM and ERP.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Summarise the Historical developments in Cloud Computing.
OR
b Discuss the effects of Building Cloud Computing Environments.
- 17 a Enumerate the Taxonomy of Virtualization Techniques in Cloud Computing.
OR
b Examine Virtual Technology examples in Cloud Computing.
- 18 a Criticize Cloud Reference Model in Cloud Computing.
OR
b Classify the types of Clouds in Cloud Computing.
- 19 a How to build Aneka Clouds in Cloud Computing? Discuss.
OR
b Develop your ideas on Anatomy of the Aneka container in Cloud Computing.
- 20 a Illustrate Amazon Web Services in Cloud Computing.
OR
b How do you use Google App Engine in Cloud Computing? Discuss.

Z-Z-Z

END