PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2022
(Fourth Semester)

Branch – COMPUTER 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 _____ is a computing paradigm by which all computer resources are centralized in one physical system.
   (i) Centralized computing   (ii) Parallel computing
   (iii) Distributed computing   (iv) Cloud computing

2 The _____ is connected to the Internet via a virtual private network (VPN) gateway
   (i) cluster   (ii) LAN
   (iii) WAN   (iv) MAN

3 An _____ program interprets the source instructions to target instructions one by one.
   (i) interpreter   (ii) Compiler
   (iii) parser   (iv) all of these

4 _____ is an open source hypervisor program developed by Cambridge University.
   (i) Xen   (ii) hypervisor
   (iii) virtual machine monitor   (iv) virtualization

5 The IaaS model encompasses_____
   (i) storage as a service   (ii) compute instances as a service
   (iii) communication as a service   (iv) all of these

6 Which of the following is the best examples of SaaS services?
   (i) Google Gmail and docs   (ii) Microsoft SharePoint
   (iii) CRM software from Salesforce.com (iv) all of these

7 _____ services are demanded by computing and IT administrators, software vendors, and end users.
   (i) Cloud   (ii) IT
   (iii)Computer   (iv) Client

8 How many major components GAE platform consists of?
   (i) 6   (ii)7   (iii) 5   (iv)4

9 10 In the _____model, the customer would be responsible for the security of the application and UI at the top of the stack.
   (i) PaaS   (ii) SaaS   (iii) IaaS   (iv) None of these

10 _____ is the recording of events into a repository; auditing is the ability to monitor the events to understand performance
   (i) Logging   (ii) auditing
   (iii) Cloud service providers   (iv) compliance

SECTION - B (25 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 5 = 25)

11 a) Write the benefits of cloud computing.
(OR)
b) Discuss about Amdahl's Law in detail.

12 a Clarify about Instruction set architecture level.
(OR)
b. Determine virtualization in Multi-core processors.

13 a Analyze about Cloud development trends.
(OR)
b. Write short notes on Infrastructure-as-a-service.

14 a Mention the Amazon Web Services offering in 2011.
(OR)
b. State and explain the Microsoft Windows Azure.

15 a. Describe the terms of brokered cloud storage access.
(OR)
b. Narrate about Auditing and Compliance in secure the data.

SECTION -C (40 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 8 = 40)

16 a Summarize the Peer-to-Peer Network families.
(OR)
b Write brief notes on parallel and distributed programming models.

17 a Describe about binary translation with full virtualization.
(OR)
b Elaborate on virtualization for data center automation.

18 a Analyze the Cloud Ecosystem and enabling technologies.
(OR)
b Outline the concept of Data-Center Interconnection networks.

19 a Elucidate on extended cloud computing services.
(OR)
b Illustrate the concepts of Cloud security defense strategies.

20 a Examine the procedures to secure the data in cloud?
(OR)
b Determine about Windows Azure identity standards.

Z-Z-Z   END