Reg. No. : ....

Code No. : 6922   **Sub. Code : PCSE 23**

M.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2021.

Second Semester

Computer Science

Elective — CLOUD COMPUTING

(For those who joined in July 2017 onwards)

Time : Three hours   Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. _____ model offers access to devoted firmware through the Internet.

    (a) SaaS   (b) PaaS

    (c) IaaS   (d) Haas

2. Which cloud offers the services on a pay-per-use basis?

    (a) Public   (b) Private

    (c) Community   (d) Hybrid

3. The guest operating system has a virtual

(a) NAT   (b) VM

(c) EV   (d) NIC

4. The process of identifying the attacks in a system or network is called

(a) Honeypots

(b) Trust detection

(c) Intrusion detection

(d) Host system

5. Which attacks are basically related with the misuse of resources?

(a) Data   (b) Resource

(c) Backdoor   (d) Denial of service

6. The cloud service has public virtual _____ address.

(a) Static   (b) Dynamic

(c) Network   (d) IP

7. WSDL stands for

   (a) Web Server Description Language

   (b) Web Server Data Language

   (c) Web Services Data Language

   (d) Web Services Description Language

8. Message elements are defined using _____ schema.

   (a) HTML   (b) DHTML

   (c) XML   (d) WML

9. _____ provides standards for infrastructures interfacing in cloud.

   (a) OGF   (b) ITU

   (c) OCC   (d) OMG

10. Resource is a main notion in

   (a) HTTP   (b) REST

   (c) GET   (d) POST

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) What are the different types of deployment models? Explain each in brief.

Or

(b) Explain the characteristics of cloud.

12. (a) List and explain the different levels of Virtualization.

Or

(b) Write down the security threats aginst cloud computing.

13. (a) Explain about the security challenges in virtualization.

Or

(b) Write a note on Azure Storage Services.

14. (a) Write down the features of Web Services.

Or

(b) Discuss different issues when the application is migrated to the cloud.

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15. (a) What are the pros and cons of mobile cloud computing? Explain.

Or

(b) Explain about the different applications of mobile cloud computing.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Briefly explain about the next generation cloud computing.

Or

(b) Give an overview about Platform as a Service.

17. (a) Explain in detail about Virtualization for Data-Centre.

Or

(b) Discuss about information security in cloud computing.

18. (a) Explain about the attacks in cloud computing environment.

Or

(b) Give an overview about the tools for EC2 services.

19. (a) Discuss about the design principles of SOA.

Or

(b) Explain the different benefits the cloud computing provides to businesses.

20. (a) Give an overview about standardization organizations in cloud computing.

Or

(b) Write down the drawbacks of microservices.

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