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Reg. No. :

Code No. : 7203

Sub. Code : PCSE 23

M.Sc. (CBCS) DEGREE EXAMINATION,
APRIL 2019.

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. Software as service model is a operating environment such as
 - (a) Interface, application and management
 - (b) OS and virtual machine
 - (c) Control structures and transaction
 - (d) None

2. Cloud Service is responsible for

- (a) cloud arithmetic
- (b) cloud infrastructure
- (c) cloud service model
- (d) none

3. The persons who are not part of the cloud are _____ attackers

- (a) internal (b) external
- (c) threat (d) none

4. Digital signatures is the _____ type of security threats

- (a) Data tampering
- (b) Repudiation
- (c) Privilege elevation
- (d) none

5. The services offered by Azure is _____.

- (a) compute services
- (b) data services
- (c) application
- (d) All the above

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6. The word blob stands for
 - (a) binary large object
 - (b) binary least object
 - (c) binary base object
 - (d) none
7. WSDL stands for
 - (a) Web Service Data Language
 - (b) Web Service Design Language
 - (c) Web Service Description Language
 - (d) None
8. _____ offers cost efficient solution to educational institution
 - (a) Amazon AWS
 - (b) Microsoft
 - (c) Google
 - (d) None
9. Cloudlets is a small _____.
 - (a) device
 - (b) disk
 - (c) drive
 - (d) none
10. JSON stands for
 - (a) Java Script Object Nation
 - (b) Java Script OLE Nation
 - (c) Java Script Odd Nation
 - (d) None

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Explain the Characteristics of Cloud

Or

 (b) What are the various types of Threads? Explain.
12. (a) Explain the types of Attacker in detail.

Or

 (b) Describe the concept of implementation of Virtualization?
13. (a) Explain the attacks on Hypervisor.

Or

 (b) Explain :
 - (i) working of EC2
 - (ii) Benefits of EC2
14. (a) Discuss SOA Component?

Or

 (b) What is Cloud Bursting? Explain.



15. (a) Explain the need of Mobile Cloud computing application.

Or

- (b) Explain the benefits and drawbacks of Micro services.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Explain in detail about issues and challenges of Cloud Computing Models

Or

- (b) Describe the advantages and disadvantages of Cloud computing?

17. (a) Explain in detail about various security issues in Cloud.

Or

- (b) Explain the security threats against cloud computing.

18. (a) Explain in detail about Amazon Web Services.

Or

- (b) Demonstrate the concept of Virtualization in security solution?

19. (a) What is the role of Cloud computing in Education?

Or

- (b) Explain the concept of Migration Roadmap

20. (a) Explain about Mobile Cloud Computing Architecture.

Or

- (b) Explain how Communication Mechanism works in cloud.

