Reg. No. : ....

Code No. : 6065   Sub. Code : KCAM 53/ PCAM 52

M.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2020.

Fifth Semester

Computer Application – Core

CLOUD COMPUTING

(For those who joined in July 2016 and afterwards)

Time : Three hours   Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1.   Which of the essential concept related to cloud

  (a) Reliability

  (b) Productivity

  (c) Abstraction

  (d) All of the above

2. Public cloud is managed by

   (a) Public

   (b) Cloud Service Provider

   (c) Auditor

   (d) Federal Agency

3. The technology used to distribute service requests to resource is referred to as

   (a) load performing   (b) load scheduling

   (c) load balancing   (d) none of the above

4. Fabrication security attack is an attack on

   (a) confidiality   (b) availability

   (c) integrity   (d) authenticity

5. Which of the following is the most important area of concern in cloud computing?

   (a) security   (b) storage

   (c) scalability   (d) all of the above

6. Azure App service plan defines

   (a) region   (b) instance size

   (c) security   (d) none of the above

7. Which of the following is a repeatable task within a business process.

   (a) service (b) bus

   (c) methods (d) all of the above

8. Which of the following backup create a cloud copy of our current data?

   (a) Continuous data protection

   (b) Open file backup

   (c) Reverse Delta backup

   (d) None of the above

9. Mobile cloud computing supports

   (a) Dynamic provisioning of resources

   (b) Scalability

   (c) Multitenancy

   (d) None of the above

10. Spring cloud is an

   (a) Integration software

   (b) Internal software

   (c) Interpreted software

   (d) None of the above

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) List the pros and cons of cloud computing.

Or

(b) Compare the characteristics of Paas and Saas.

12. (a) Write short notes on desktop virtualization.

Or

(b) Describe the security challenges in cloud computing.

13. (a) How does virtualization work in cloud computing?

Or

(b) Write a note about

(i) Google App Engine

(ii) Microsoft Azure

14. (a) Discuss about cloud computing applications.

Or

(b) Draw cloud computing service oriented Architecture.

15. (a) What is the purpose of mobile cloud computing?

Or

(b) Compare micro services and monolithic architecture.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Explain the various service models of cloud computing in detail.

Or

(b) Explain the layered cloud architecture development with its design challenges.

17. (a) What is virtualization? Discuss the types of Virtualization.

Or

(b) Explain the security architecture design framework in cloud computing.

18. (a) Define hypervisor. Explain with its types.

Or

(b) Write about the components of Microsoft Azure.

19. (a) Write the advantages and disadvantages of SOA.

Or

(b) How cloud computing is useful in education field?

20. (a) Discuss about mobile cloud computing with its architecture.

Or

(b) Write the detailed comparison between SOA and microservices.

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