Seat No.

B.C.A. (CBCS)
Examination, March 2024. (B.C.A. III, SEM - VI)
CLOUD COMPUTING
Sub. Code : 88293

Day and Date: Tuesday, 26-03-2024   **Total Marks: 70**

Time: 2.30 p.m. to 5.30 p.m.

Instructions:
1) Q.1 and Q.6 are **COMPULSORY**.
2) Attempt **ANY THREE** questions from Q.2 to Q.5.
3) Figures to the right indicate full marks.

Q.1 a) **Multiple choice questions.**   **(10)**

1) Which of the following is a type of cloud computing service?
   (A) Service-as-a-Software (SaaS)
   (B) Software-and-a-Server (SaaS)
   (C) Software-as-a-Service (SaaS)
   (D) Software-as-a-Server (SaaS)

2) Which of the following is required by Cloud Computing?
   (A) That the identity be authenticated.
   (B) That the authentication be portable.
   (C) That you establish an identity.
   (D) All of the mentioned

3) Which of the following is an example of a SaaS cloud service?
   (A) Google Workspace
   (B) Dropbox
   (C) Salesforce
   (D) All of the above

4) Which of the following type of virtualization is also characteristic of cloud computing?
   (A) Storage   (B) Application   (C) CPU   (D) All of these

5) The technology used to distribute service requests to resources is referred to as ......
   (A) load performing
   (B) load scheduling
   (C) load balancing
   (D) All of these

6) Which of the following provide system resource access to virtual machines?
   (A) VMM   (B) VMC   (C) VNM   (D) All of these

7) Cloud computing is a kind of abstraction which is based on the notion of combining physical resources and represent them as .... resources to users.

(A) real   (B) cloud   (C) virtual   (D) none of these

8) Which one of the following cloud concepts is related to sharing and pooling the resources?

(A) Polymorphism   (B) Virtualization

(C) Abstraction   (D) None of these

9) Which of the model involves the special types of services that users can access on a cloud computing platform?

(A) Service   (B) Planning   (C) Deployment (D) Application

10) Cloud computing architecture is a combination of ....

(A) Service-oriented architecture and grid computing

(B) Utility computing and event-driven architecture

(C) Service-oriented architecture and event-driven architecture

(D) Virtualization and event-driven architecture

b)   **Give short answers. (Any two)**   **(10)**

     i)   Explain the architecture of cloud.

     ii)   What is meant by cloud virtualization?

     iii)   Explain the implementation levels of virtualization.

Q.2 Explain virtualization at OS model level.   **(10)**

Q.3 Explain virtualization of memory and IO devices.   **(10)**

Q.4 What is virtual cluster?   **(10)**

Q.5 Explain platform as service.   **(10)**

Q.6 **Write short notes on. (Any four)**   **(20)**

     i)   Explain various features of cloud

     ii)   SAAS

     iii)   PAAS

     iv)   Explain sales force application

     v)   AWS

     vi)   Mailchimp