BRAINWARE UNIVERSITY

Term End Examination 2022
Programme – B.Sc.(IT)-AI-2020
Course Name – Cloud Web Services
Course Code - BAIC502
(Semester V)

Full Marks : 60   **Time : 2:30 Hours**
[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)   1 x 15=15

1.   *Choose the correct alternative from the following :*

 (i)   Which of the following is not provided by "Deep Web"

   a) Database generated Web pages   b) Private or limited access Web pages
   c) Pages without links   d) All of the mentioned

 (ii)   What is the name of the organization helping to foster security standards for cloud computing

   a) Cloud security standards working   b) Cloud security alliance
   c) Cloud security watchdog   d) Security in the cloud alliance

(iii)   Dynamic content presented in Google …………………….. crawling isn't normally indexed

   a) AJAX   b) Java
   c) Javascript   d) All of the mentioned

 (iv)   Which feature does not belong to a private cloud

   a) Metered billing   b) Self service portal
   c) Dial-home support   d) Rapid elasticity

 (v)   Which is not a major cloud platform

   a) Google 101   b) IBM deep blue
   c) Microsoft Azure   d) Amazon EC2

 (vi)   Which of the following is used to aid for locating services in SOA

   a) Catalog Service   b) Data Abstraction Services
   c) Data Bus   d) All of the mentioned

(vii) Which of the following catalog service requires some sort of synchronization or update to maintain a unified data store across the servers involved

   a) Global   b) Standalone
   c) Federated   d) All of the mentioned

(viii) How many different protocol types are required for message passing in SOA

   a) 1   b) 2
   c) 3   d) 4

 (ix) Which of the following is the form of unmanaged cloud storage

   a) XDrive   b) OmniDrive

c) iDrive   d) All of the mentioned

(x) Which of the following is an example of an unmanaged storage utility set up to do automated backups

a) XDrive   b) OmniDrive

c) FreeDrive   d) All of the mentioned

(xi) Which of the following is the most refined and restrictive service model

a) IaaS   b) CaaS

c) PaaS   d) All of the mentioned

(xii) Which of the following statement is wrong about Amazon S3

a) Amazon S3 is highly reliable   b) Amazon S3 provides large quantities of reliable storage that is highly protected

c) Amazon S3 is highly available   d) None of the mentioned

(xiii) Which one is a pay-as-you-go model matches resources to need on an ongoing basis

a) Utility   b) Elasticity

c) Low barrier to entry   d) All of the mentioned

(xiv) Which applications have a much lower barrier to entry than their locally installed competitors

a) IaaS   b) CaaS

c) PaaS   d) None of the mentioned

(xv) Which of the following is an edge-storage or content-delivery system that caches data in different physical locations

a) Amazon Relational Database Service   b) Amazon SimpleDB

c) Amazon Cloudfront   d) Amazon Associates Web Services

Group-B
(Short Answer Type Questions)   3 x 5=15

2. Write short notes on (i) Software virtualization (ii) network virtualization   (3)
3. Discuss the Advantages of SOA   (3)
4. Compare on (i) Virtualization (ii) Google App Engine   (3)
5. Compose a Two-Level Resource Allocation Architecture   (3)
6. Explain in detail about cloud delivery model   (3)

OR

Discuss the operational and economic benefits of Software as a Service   (3)

Group-C
(Long Answer Type Questions)   5 x 6=30

7. Analyze Service Oriented Architecture (SOA).Explain Components of service oriented architecture   (5)
8. Analyze virtualization. What is the need of virtualization in cloud computing   (5)
9. Explain cloud infrastructure security at application level   (5)
10. Define the security concerns of cloud computing   (5)
11. Discuss the operational and economic benefits of SaaS   (5)
12. Evaluate the virtualization for data center automation   (5)

OR

Judge the challenges & legal issues in cloud computing   (5)

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