

18. (a) Explain the command-line interface for programming.

Or

- (b) Describe about the infrastructure as code.

19. (a) Describe about Ops works in detail.

Or

- (b) How to develop an application in a flexible cloud environment?

20. (a) Describe about the AWS identity and Access Manager.

Or

- (b) How to allow ICMP traffic?

SECTION C — (3 × 10 = 30)

Answer any THREE questions.

21. Explain the benefits of using ASW in detail.
22. Describe the optimizing costs for virtual machines in detail.
23. Explain the blue print to start a virtual machine.
24. How to deploying a simple web applications with AWS Elastic Beanstalk? Explain.
25. Describe about the Amazon Virtual Private Cloud.

S.No. 6806

P 22 ITE 3 A

(For candidates admitted from 2022–2023 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023

Information Technology — Elective

WEB SERVICES

Time : Three hours

Maximum : 75 marks

SECTION A — (20 marks)

- I. (A) Choose the correct answer : (5 × 1 = 5)
1. Amazon Web Services falls into which of the following cloud-computing category?
- (a) Software as a Service
 - (b) Back-end as a Service
 - (c) Platform as a Service
 - (d) Infrastructure as a Service
2. What are the different types of instances in Amazon Web Services?
- (a) General Purpose, Computer Optimized
 - (b) Memory Optimized, Storage Optimized
 - (c) Instance Features, Measuring Instance Performance
 - (d) All of The Above

3. EC2 stands for?
 - (a) Elastic Compute Cloud
 - (b) Elastic Cloud Compute
 - (c) Elastic Configuration Cloud
 - (d) Elastic Cloud Configuration
4. _____ is the virtual disk in a cloud?
 - (a) Elastic compute cloud
 - (b) Elastic block storage
 - (c) Elastic byte storage
 - (d) Simple storage service
5. Which is a correct API Endpoint type in AWS?
 - (a) Edge-optimized API endpoint
 - (b) Private API endpoint
 - (c) Regional API endpoint
 - (d) All of these
- (B) Fill in the blanks : (5 × 1 = 5)
6. The connection between API Gateway and backend integrations such as Lambda functions is:
7. _____ is a system for creating block-level storage devices that can be used for Amazon Machine Instances in EC2.
8. A virtual CloudFront user is called an OAI. This stands for _____.

9. _____ are used to grant permissions to your IAM Users to access AWS resources within your own or different account.
10. There are _____ types of VPC endpoints.
- II. Answer ALL questions : (5 × 2 = 10)
11. What is AWS Console?
12. What is virtual machine?
13. What is AWS Command Line Interface?
14. What is AWS OpsWorks Stack?
15. What is the use of IAM?

SECTION B — (5 × 5 = 25)

Answer ALL the questions, either (a) or (b)

16. (a) How to interact with AWS? Explain.

Or
(b) Compare AWS services with any other cloud service.
17. (a) How to change the size of a virtual machine? Explain.

Or
(b) Write the steps to add an additional network interface to a virtual machine.