



Pooja Dr. Sharnbaswappa Appaji  
Mahadeshi Pethulligutti  
Sharnbasveshwar Samithana  
President, Sharnbasveshwar Vidya Vardhak Sangha  
Chancellor, Sharnbasva University



Pooja Matoshri Dr. Dalahayini S. Appa  
Chairperson  
Sharnbasveshwar Vidya Vardhak Sangha  
Member of BOS Sharnbasva University



Pooja Chiranjeevi Doddappa Appa  
Mahadeshi Bti Pethulligutti  
Sharnbasveshwar Samithana, Kalaburgi

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Sharnbasva



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University



Pooja Matoshri Godutai Avaji



Pooja Doddappa Appa  
Founder President  
Sharnbasveshwar Vidya Vardhak Sangha

Kalaburagi - 585103, Karnataka - India

ಕಲಬುರಗಿ 585 103 ಕರ್ನಾಟಕ - ಭಾರತ

Phone / Fax No. 08472-277852, 277853, 277854, 277855 www.sharnbasvauniversity.edu.in - email : Sharnbasvauniversity@gmail.com

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## AWS Cloud Question Bank

### Module 1

1. What is cloud computing and explain different cloud service models?
2. Explain cloud computing deployment models.
3. Explain advantages of cloud computing.
4. List the similarities between AWS and Traditional IT.
5. Explain pricing models of AWS.
6. List and explain the services that are free of charge.
7. Explain AWS Organization.
8. Explain AWS Billing.

### Module 2

1. Write a note on AWS Global Infrastructure.
2. Explain AWS Storage Service Category.
3. Explain AWS Compute Service Category.
4. Write a note on Networking and Content delivery Service and Security, Identity and compliance service category.
5. Explain in brief about AWS Shared Responsibility model.
6. What is IAM? Explain its components.
7. Define IAM Policy and explain its types.
8. Write a note on encryption of data at rest and data in transit.

### Module 3

1. Explain below terms, AWS Direct Connect, VPC end points, AWS Transit gateway.
2. Write a note on VPC sharing and benefits.
3. Explain different supported routing techniques for Amazon route 53.
4. Explain the benefits of Amazon CloudFront.
5. List and explain the compute services available.
6. Explain with the neat diagram Amazon EC2 lifecycle.
7. Explain different pricing models of AWS EC2 with note on optimizing cost.
8. Write a note on Elastic Beanstalk.

## **Module 4**

1. Explain features of EBS, volume types.
2. List the difference between HDD& SSD.
3. Explain different classes of Amazon S3.
4. Compare Amazon Glacier & S3. Explain the use cases of Amazon Glacier.
5. With neat diagram explain high availability multi-AZ deployment 1,2 & read replicas in Amazon RDS.
6. Write a short note on when to use & when not to use Amazon RDS.
7. List the difference between relational & non-relational database.
8. What is Dynamo DB & Explain its core components?

## **Module 5**

1. Explain the design principles of operational excellence pillars.
2. Explain the design principles of reliability pillars.
3. Explain the design principles of performance efficiency pillars.
4. Explain the design principles of cost optimization pillars.
5. Write a note on Elastic load balancing & its types.
6. Explain the working of Elastic load balancing.
7. Explain the working of EC2 Auto Scaling.
8. Write a note on Amazon CloudWatch.