Model Question Paper - Cloud Computing

Duration: 3 Hours

Maximum Marks: 100

Section 1: Section A - Short Questions

(5 marks each)

1. 1. Define cloud computing and explain its key characteristics (5 marks)

2. 2. Differentiate between Public, Private, and Hybrid cloud models with examples (5 marks)

3. 3. What is virtualization, and why is it important in cloud computing? (5 marks)

4. 4. List and explain any two cloud service models (IaaS, PaaS, SaaS) with examples (5 marks)

5. 5. What are the key security challenges in cloud computing? (5 marks)

6. 6. Explain the concept of serverless computing and provide a use case (5 marks)

Section 2: Section B - Long Questions

(10 marks each)

1. 1. Describe the architecture components of cloud computing and explain their functions in detail (10 marks)

2. 2. Compare AWS, Azure, and Google Cloud platforms in terms of features and services (10 marks)

3. 3. Discuss the role of cloud computing in IoT and Big Data with examples (10 marks)

4. 4. Explain Identity and Access Management (IAM) in cloud computing and its significance (10 marks)

5. 5. Discuss the future trends in cloud computing, including multi -cloud and hybrid cloud strategies (10 marks)