**QUESTION BANK**

**Chapter 1 (Introduction)**

1. What is grid computing? List and explain various types of grids. (2-3)
2. Draw the block diagram of standard grid architecture. What are the benefits of grid computing when deployed for infrastructure management? (4-5)
3. Define Cloud computing. List how cloud computing will help to address business challenges (6)
4. Draw the block diagram of Basic Cloud Computing Model. List the various reasons for adopting the cloud. (7)
5. List also the business and IT enabled benefits for the adoption of cloud. (p7)
6. What is virtualization? How virtualization of cloud computing has benefitted various organizations.(8)
7. What are the basic requirements for providing cloud services?(9)
8. List and explain the benefits of cloud dynamic infrastructure(10)
9. Discuss the barriers in implementing cloud computing(11)
10. Explain the types of applications where cloud can be implemented and cannot be implemented?(12)

**Chapter 2: Cloud Deployment Models**

1.     List and explain 4 cloud computing characteristics. (20-21)

2.     What is measured service?  What are its benefits?21-22)

3.  List 3 reasons for which business organizations are migrating to cloud computing?(22)

4.       What are the different ways in which cloud vendors can promote cloud computing within organization? (22)

5.       How does cloud computing help reduce costs for business? (22-23)

6.       What are the four benefits of adopting cloud computing?(23-24)

7.  Why does testing too long in traditional computing environment? How does cloud computing overcomes that challenge? (24)

8.       Name and briefly explain the 3 cloud computing deployment models? (24)

9.       What is a public cloud? What the term are “public” does not mean in public cloud?(26)

10.   Name 8 workloads suitable for public clouds (26)

**Chapter 3-Cloud as a Service**

1. List and explain the attributes of a cloud infrastructure. (38)

2. How cloud infrastructure can deliver ‘IT-as-a-Service’ to the end users. (39)

3.List and explain gamut of cloud solutions with neat diagram of cloud data center. (p.39-40)

4. Discuss the Platform-as-a-Service model (40-41)

5. Explain the Software-as-a-Service model (41-42)

6. Discuss the Infrastructure-as-a-Service model. (42-43)

7. Differentiate between PaaS, SaaS, and IaaS models. (40-43)

8. With a block diagram explain the conceptual cloud model. (48)

9.Discuss the application security and privacy principles defined for cloud applications. (49)

10. List and explain the various “Service Definitions” defined for cloud computing environment (50)