St.Joseph's College of Arts and Science (Autonomous)

PG & Research Department of Computer Science

Subject: Grid Computing   **Subject Code: EPCS810C**

Class: I M.Sc (CS)   **Staff Name:** S.Muthukumaran

UNIT_I

Five Mark Questions

1. Define Grid Computing?
2. What is Virtualization?
3. List out the differences among Grid, Cluster and Web Services
4. Describe the Applications of Grid Technology.
5. Explain the different types of Virtualization.
6. List the issues of Grid Computing.

Ten Mark Questions

7. Explain the key components of Grid Computing
8. Explain the different types of Grid
9. Describe the Grid Topology in detail.
10. Describe the benefits of Grid Computing.

Unit-II

Five Mark Questions

1. List the benefits of Virtualization.
2. Explain scientific and engineering applications.
3. Describe utility computing's taxonomy
4. Discuss the challenges of Grid Computing Technology

Ten Mark Questions

5. Briefly explain the major phases in Computing and Communications.
6. Explain Grid tools in detail.

Unit-III

Five Mark Questions

1. Explain the Grid types by their complexity.
2. List the current draw backs of Grid Computing.

TEN Mark Questions

3. Describe the functional components of Grid Technology.
4. Explain SOA.
5. Write a short note on WSRF.
6. Describe the Physical components of Grid.

Unit-IV

Five Mark Questions

1. Describe the basic functional model.
2. Explain Grid services in detail.
3. Explain WSDL in detail.
4. Explain UDDI in detail.
5. Explain SOAP in detail.

TEN Mark Questions

6. Explain the networking role in Grid architecture.
7. List the objectives of OGSA.
8. Explain Grid Core Services in detail.
9. Explain Core Grid Service Properties.
10. Briefly explain Client side run time architecture.

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Unit-V

Five Mark Questions

1. Explain basic functionality requirement.
2. Explain Security requirement.
3. Define Service Orchestration.
4. Explain System Properties Requirements.
5. Describe the principal elements of OGSA.
6. Discuss the service relationships in detail.

TEN Mark Questions

7. Describe OGSA Services.
8. Explain data services in detail.
9. Explain Common Management Model.
10. Explain Open Grid Services Infrastructure.