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Roll No

MCIT-302(C)**M.E./M.Tech., III Semester**

Examination, November 2018

Grid Computing**(Elective-II)****Time : Three Hours****Maximum Marks : 70****Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What do you mean by Grid? Write a brief note on evolution of Grid. 7
- b) Discuss the various activities of Grid. What are its application areas? 7
2. a) Explain briefly the architecture of Grid. 7
- b) Discuss the design issues of Grid Resource Management system. 7
3. a) What are virtual organizations? Explain in detail with the help of an example. 7
- b) Discuss briefly about organization building and using grid based solution to solve their computing data and network requirements. 7
4. a) Describe the web service architecture. Establish a relation between web services and grid services. 7
- b) Explain in detail about managing grid environments. 7

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5. a) Explain briefly about OGSI-defined service data concepts. 7
- b) Describe the OGSA policy architecture. 7
6. a) Elaborate in detail about name and change management in grid service. 7
- b) Explain briefly about Common Management Model (CMM). 7
7. a) Explain the architecture of globus GT3 toolkit with a neat diagram. 7
- b) Write a brief note on Grid portals. 7
8. Write short note: 14
- a) Common distributed logging
- b) Grid Middleware
- c) Application partitioning
- d) Semantic grids
