C 30106 (Pages : 2) Name.....

Reg. No.....



**SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE [2014 SCHEME] EXAMINATION, NOVEMBER 2017**

Computer Science Engineering

CS/IT 14 704C—GRID COMPUTING

Time : Three Hours Maximum : 100 Marks

## Part A

*Answer any* **eight** *questions.*
*Each question carries* 5 *marks.*

1. State the need for high performance computing.
2. What are the benefits of Internet Computing ?
3. Bring out the procedure for creating grid services.
4. Write short notes on grid security.
5. What do you mean by desktop supercomputing ?
6. Mention the any *two* applications of grid enabling softwares.
7. Mention any *five* salient features of OGSI.
8. Bring out the applications of OGSI.
9. Brief about the application of Grids in Life Sciences.
10. What are the features of GLOBUS GT3 toolkit ?

(8 × 5 = 40 marks)

## Part B

*Answer* **all** *questions.*

11. (a) Explain in detail about types of Grids in detail.

*Or*

(b) Explain in detail about Grid Computing Business Value Analysis.

12. (a) Discuss in detail about Open Grid Service Architecture with neat sketch.

*Or*

(b) Explain in detail about managing grid environments.

**Turn over**

13. (a) Explain in detail about the technical details of OSGI specification.

*Or*

(b) Elaborate in detail about name and change management in Grid service.

14. (a) Explain in detail about resource management and scheduling in Grid.

*Or*

(b) Explain in detail about hive computing for transaction processing Grids.

(4 × 15 = 60 marks)