

Exam. Code : 105706

Subject Code : 1462

**B.Sc. (Information Technology) 6<sup>th</sup> Semester**  
**FUNDAMENTALS OF CLOUD COMPUTING**  
**Paper—I, Option—III**

Time Allowed—2 Hours] [Maximum Marks—100

**Note** :— Attempt any **four** questions. All questions carry equal marks.

1. What are the broad approaches for migration into cloud ? Discuss the challenges and risks involved in this process. 25
2. What are the various services provided by the cloud to the end user and what are its advantages ? 25
3. Explain parallel and distributed programming paradigms in cloud computing using a practical example. 25
4. What are the benefits of Big Data ? Discuss challenges under Big Data. How Big Data Analytics can be useful in the development of smart cities ? (Discuss one application). 25
5. What is network virtualization ? Describe the various components in network virtualization in detail. 25

6. What are the types of security policies for cloud computing?  
Explain with appropriate examples. 25
7. What do you understand by federated cloud ? Explain  
using a suitable example. 25
8. What do you mean by open source tools ? Explain any  
3 open source tools available in the market for cloud ?.  
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