

**B.Sc. (Information Technology) - 6th Semester
(2721)**

Paper-I Opt(iii) : Fundamentals of Cloud Computing

Time allowed: 2 hrs.

Max. Marks: 100

Note: There are EIGHT questions of equal marks. Candidates are required to attempt any FOUR questions.

Section-A

- Q1 a) Discuss the concept of virtualisations and its limitations.
b) Explain the use of virtual appliances.
- Q2 Discuss the Reference model in Cloud computing and its benefits.

Section-B

- Q3 How Cloud computing Architecture uses Deployment models? Explain in detail.
- Q4 a) How Map reduce programming is implemented? Explain.
b) List the advantages and disadvantages of Thread programming.

Section-C

- Q5 Discuss the following concepts:
a) Data Security
b) Access management
- Q6 How Privacy management is carried out? Discuss the role of cloud security.

Section-D

- Q7 Discuss the following concepts:
a) Big data Analytics
b) Federated cloud computing
- Q8 a) Explain benefits of Energy Efficiency.
b) What are different applications of Cloud computing? Explain.
