

B.Sc. III (with Credits)-Regular-Semester 2012 Sem VI
B.Sc.4515-Elective-II : Computer Science : Paper-II
(Data Communication With Cloud Computing Basics)

P. Pages : 1

Time : Three Hours



GUG/W/16/5632

Max. Marks : 50

Notes : 1. All questions are compulsory and carry equal marks.

1. Either

- a) What is data communication? What are the components of data communication? Explain it. 5
- b) Explain in brief error control protocol. 5

OR

- c) Define data encoding. Explain in brief. 5
- d) Write note on time division multiplexing. 5

2. Either

- a) Describe digital network concept and explain concept of signaling? 5
- b) What is virtual circuit? Explain characteristics of virtual circuit network. 5

OR

- c) Write note on optical Fibre bus. 5
- d) Explain circuit switching principle. 5

3. Either

- a) Explain the principle of inter-networking. 5
- b) Explain TCP/IP protocol in brief. 5

OR

- c) Explain various delays in computer network. 5
- d) Explain the concept of bridge in internetworking. 5

4. Either

- a) Describe various cloud computing services? 5
- b) Describe various regulatory issues with cloud. 5

OR

- c) Differentiate between cloud computing and distributed computing. 5
- d) Write note on cloud environment role. 5

5. Solve all the questions.

- a) Write short note on various transmission impairment. 2½
- b) Explain ring topology. 2½
- c) Explain routing with bridge. 2½
- d) Write note on various cloud computing deployment models. 2½
