

B.E. Computer Science & Engineering (Model Curriculum) Semester-VII  
**BE101CS - TCP/IP and Internet**

P. Pages : 1



Time : Three Hours

GUG/S/25/14231

Max. Marks : 80

Notes : 1. All questions carry equal marks.  
2. Illustrate your answers wherever necessary with the help of neat sketches.  
3. All questions are compulsory.



**OR**

- 2.** a) Explain Classless Inter-Domain routing concept in detail. **8**  
b) What is IP Addressing? How subnet addressing is performed. **8**

3. a) List the types of IGMP messages and its formats. **8**  
b) Describe any one Intra-domain routing protocol with proper packet format. **8**

OR

4. a) What is Router? Explain the functionality of routers. **8**  
b) What is multicast routing? Explain MOSPF in detail with proper packet format. **8**

5. a) Discuss the Go-Back-N Protocol in detail. **8**  
b) Explain various fields of TCP Segment format. **8**

OR



7. a) Explain the web browser architecture. **8**  
b) Describe the Email representation and transfer in detail. **8**

OR

- 8.**    a) Explain client server paradigm in detail with suitable example. **8**  
         b) Describe the concept of DNS system. **8**



OR

- 10.** a) Explain RTP packet format. **8**

b) Write different characteristics of H-323. **8**

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