

Roll No .....

**CS-6004 (CBGS)****B.E. VI Semester**

Examination, May 2019

**Choice Based Grading System (CBGS)****Computer Networking***Time : Three Hours**Maximum Marks : 70***Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Explain Network Architecture in detail. 7  
b) State the major functions performed by the presentation layer of the ISO OSI model. 7
2. a) Explain TCP Congestion management. 7  
b) Explain different flow control mechanisms used in brief. 7
3. a) What is framing? Explain different types of framing protocols with their format. 7  
b) Explain different error detection and correction mechanisms with examples. 7
4. a) Explain CSMA and protocols with Collision detection and Avoidance. 7  
b) What is internetworking? Explain its service model, global address and packet format. 7

5. a) Explain the functioning of wireless LAN in detail. 7  
b) Explain the salient features of IPv6. 7
6. a) Explain Bellman-ford algorithm with example. 7  
b) What do you mean by routing? Explain Hierarchical, Broadcast and Multicast routing. 7
7. a) Explain transport layer multiplexing and demultiplexing. 7  
b) Write the HTTP request and HTTP response message format. <http://www.rgpvonline.com> 7
8. a) Explain the services provided by DNS. 7  
b) Enlist the protocols of presentation layer. Explain the working of any one protocol. 7

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