

**B.Tech. - VIEP - COMPUTER SCIENCE AND  
ENGINEERING (BTCSVI)**

**Term-End Examination**

**00504**

**June, 2017**

**BICS-017 : COMPUTER NETWORKS**

*Time : 3 hours*

*Maximum Marks : 70*

*Note : Attempt any seven questions. All questions carry equal marks.*

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1. (a) Distinguish between circuit switching and packet switching. 6  
(b) What are the physical media used in networks ? 4
  2. (a) Explain Internet Protocol Stack and Protocol Data Units. 6  
(b) Compare and contrast TCP protocol and UDP protocol. 4
  3. (a) Explain connectionless protocol and UDP checksum. 6  
(b) Describe GBN (Go-Back-N) protocol. 4
  4. (a) Discuss in brief ICMP. 5  
(b) Draw and explain Router Architecture diagram. 5

5. (a) Describe error-detection and correction techniques. 6
  - (b) What is cyclic redundancy check? 4
  6. Explain Ethernet and Ethernet Frame Structure. 10
  7. Discuss Real Time Streaming Protocol (RTSP). 10
  8. Explain in detail the Hash function algorithm. 10
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