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IT-603**B.E. VI Semester**

Examination, June 2017

Internet Technology and Network Management**Time : Three Hours****Maximum Marks : 70**

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Explain ARP protocol? Where it is used? 7
b) Give IP Address 200.1.1.130 and the mask 255.255.255.224 what is subnet number and Broadcast Address? 7
2. What is datagram? Explain encapsulation and Fragmentation. Write the Advantages of encapsulation and Fragmentation? 14
3. a) Explain in detail the services provided by Transmission Control Protocol (TCP)? 7
b) What is Port Number? How many Bit Long Port Number? Port Number work on which layer? 7
4. a) Explain Distance vector Routing in detail. 7
b) Explain IGMP Protocol. 7
5. What is user datagram protocol? Discuss the format of UDP message, UDP encapsulation and UDP checksum. 14

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6. Explain the following term: 14
a) TFIP
b) FTP
c) OHCP
7. a) What is the Accounting Management? Also discuss its function. 7
b) Explain Fault Management. How Fault detection is accomplished? 7
8. Write a short notes (any two): 14
a) SMTP
b) Performance Management
c) Security Management

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