

**Code: 9F00302**

MCA III Semester Regular & Supplementary Examinations November 2016

**COMPUTER NETWORKS**

(For 2011, 2012, 2013, 2014 & 2015 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) What is the difference between Narrow band and Broad band ISDN?  
(b) What is the use of Hub, Switch and Router?
- 2 (a) Compare error detection and error correction in handling errors.  
(b) How bit stuffing works?
- 3 (a) What is the frame format used by Ethernet?  
(b) Explain the Bit map protocol with the help of an example.
- 4 (a) What are the strategies for flooding?  
(b) How congestion is detected?  
(c) What is load shedding?
- 5 (a) Explain the working of Mobile IP.  
(b) What is quality of service?
- 6 Explain in detail the handshake methods for connection establishment and release.
- 7 (a) How firewalls protect your organization?  
(b) What are the basic principles of public key cryptography?
- 8 (a) What is the need for DNS? How it works?  
(b) What are the MIME supported types?

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