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[4968]-4003

B.C.A. (Semester-IV) EXAMINATION, 2016

COMPUTER NETWORKING

(2013 PATTERN)

Time : Three Hours

Maximum Marks : 80

N.B. :— (i) All questions are compulsory.

(ii) Neat diagrams must be drawn wherever necessary.

1. Attempt any *three* of the following : [3×5=15]
 - (a) Explain functions of each layer ISO-OSI reference model.
 - (b) Write a note on SAP.
 - (c) Explain wireless transmission and explain any *one* media in detail.
 - (d) Explain IEEE 802.11 in detail.

2. Attempt any *three* of the following : [3×5=15]
 - (a) Explain different types of NIC.
 - (b) Explain optic fiber cable in detail.
 - (c) Write a note on network topologies.
 - (d) Explain goals and applications of computer network.

3. Attempt any *three* of the following : [3×5=15]
 - (a) Explain propagation method.
 - (b) Write difference between internet and intranet.
 - (c) Explain TCP/IP protocol in detail.
 - (d) What is bridge ? What are its types ? Explain any one in detail.

P.T.O.

4. Attempt any *three* of the following : [3×5=15]
- (a) Explain HTTP in detail.
 - (b) Explain broadcast and point to point networks.
 - (c) Explain logical addressing.
 - (d) Explain bluetooth in detail.
5. Write short notes on (any *four*) : [20]
- (a) Web documents
 - (b) MAC sublayer with its frame format
 - (c) Firewall
 - (d) Web server
 - (e) Port address.