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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.