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B.C.A./B.B.A. (CA) (Semester-IV) EXAMINATION, 2018

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) Define network topology. List different types of topologies. Explain any one in detail.
- (b) Explain functions of each layer of ISO-OSI reference model.
- (c) Explain wireless transmission and explain any one media in detail.
- (d) Define the bridge. Explain the types of bridges.

2. Attempt any *three* of the following : [3×5=15]

- (a) Explain different types of web documents.
- (b) Describe the frame format and physical layer of Ethernet.
- (c) Explain different types of addresses.
- (d) What is switch ? How does it differ from HUB ?

P.T.O.

3. Attempt any *three* of the following : [3×5=15]
- (a) Explain ISO-OSI reference model in detail.
 - (b) What are different modes of communication ? Explain any one in detail.
 - (c) Explain active and passive HUB.
 - (d) Explain propagation method.
4. Attempt any *three* of the following : [3×5=15]
- (a) Explain Synchronous communication.
 - (b) Explain WWW architecture.
 - (c) Write a note on protocols and standards.
 - (d) Explain bluetooth in detail.
5. Write notes on (any *four*) : [4×5=20]
- (a) Repeaters
 - (b) Unguided Media
 - (c) SAP
 - (d) Search Engine
 - (e) MAC sublayer with its frame format.