

C09-EC-606A

3762

BOARD DIPLOMA EXAMINATION, (C-09) OCT/NOV-2018 DECE-SIXTH SEMESTER EXAMINATION

DATA COMMUNICATION AND COMPUTER NETWORKS

Time: 3 hours [Total Marks: 80

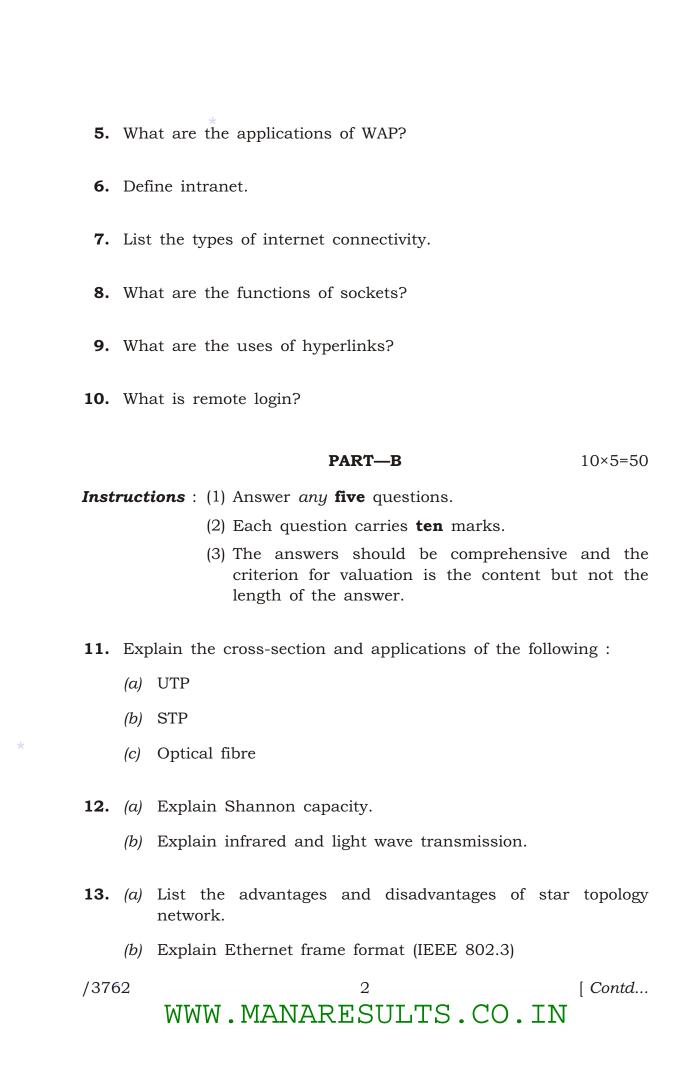
PART—A

 $3 \times 10 = 30$

Instructions: (1) Answer **all** questions.

- (2) Each question carries three marks.
- (3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.
- 1. What is the need for data communication networking?
- **2.** Define the following:
 - (a) Simplex
 - (b) Half duplex
 - (c) Full duplex communication
- 3. Draw the OSI 7 layer model.
- **4.** List the network topologies.

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- 14. (a) Explain CSMA protocol.
 - (b) Explain the packet switching mechanism.
- **15.** (a) Write any two features of TCP.
 - (b) Explain the internal architecture of ISP.
- **16.** (a) Explain the DSL type of internet connectivity.
 - (b) Explain the point-to-point protocol.
- 17. Explain in detail how e-mail is transferred.
- 18. (a) Explain the DNS name space.
 - (b) List any four hHP commands.

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