Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind
(Autonomous),Pune – 16
End Semester Examination: March/April 2024
Faculty: Commerce

Program: BBA (Computer Application) **Semester: IV** **SET: B**
Program (Specific): BBACA07 **Course Type: CC**
Class: SYBBA(CA) **Max.Marks: 70**
Name of the Course: Networking
Course Code:23-BBACA241 **Time: 2:30 Hrs.**
Paper: -

Instructions to the candidate:

1) ***There are 4 sections in the question paper. Write each section on separate page.***
2) ***All Sections are compulsory.***
3) ***Figures to the right indicate full marks.***
4) ***Draw a well labelled diagram wherever necessary.***

Section A

Q1) Answer the following **[10 x 1 =10 marks]**

1) A Combination of an encryption algorithm and a decryption algorithm is called as_____.
   A) Cipher B) Secret C) key D) Encryption.
2) _____called network layer device.
   A) Router B) Gateway C) Bridge D) Switch.
3) Ethernet consist of_____.
   A) Mac address B) IP address C) Network Address D) Default Mask
4) Which of the following is NOT a key element of a protocol?
   A) Semantics B) Signal C) Syntax D) Timing
5) The "RJ" in RJ45 Stands for_____.
   A) Resistance Jet B) Registered Jack C) Routing Jack D) Radio Jack
6) An Interconnected collection of Piconet is called_____.
   A) Scatternet B) Micronet C) Mininet D) Multinet
7) _____cable consist of two insulated copper wire twisted together.
   A) Open wire B) Fiber optic C) Coaxial cable D) Twisted pair
8) Transmission data rate is decided by _____.
   A) Transport layer B) Physical layer C) Data link layer D) Application layer
9) Communication channel is shared by all the machines on the network in _____.
   A) Broadcast Network B) Multicast Network
   C) Unicast Network D) Typecast Network .
10) Which of the following is NOT a key element of a protocol.
   A) Semantic B) Signal C) Syntax D) Timing

Section B

Q.2] Answer the Following. (Any 10) **[10x2 =20 M]**

1) What is Switch?
2) What is Computer Network?
3) Give any four examples of physical Topology?
4) Explain Class A addressing in Classfull addressing?
5) Define Fast Ethernet.
6) Write names of substitution technique?
7) What is attack? What are its types?
8) What are the responsibilities of Physical layer?
9) What are the types of Bridges in networking?
10) Explain BNC Connector?
11)What are types of twisted pair cabling?
12) What is Subnetting?

Section C

Q3) Answer the following. (Any 4) **[5x4=20 M]**

1) Distinguish between Symmetric and Asymmetric cryptography.
2) Describe frame format and physical layer Ethernet.
3) With suitable diagram describe STP and UPT cables.
4) Compare OSI and TCP/IP reference model.
5) Explain Modes of Communication with Diagram.
6) MAC sublayer with its Frame Format.

Section D

Q4) Answer the Following (Any 4). **[5x4=20M]**

1) Define the Bridge. Explain types of Bridges.
2) Compare guided and unguided media
3) Compare WAN and MAN.
4) Explain Bluetooth in details.
5) Differentiate between peer-to-peer LAN and Server-based LAN.
6) Explain IEEE standards 802-11 in detail.