



# BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – Dip.CSE-2018/Dip.CSE-2019/Dip.CSE-2020

Course Name – Computer Network

Course Code - DCSE603

( Semester VI )

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

## Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Explain which of the following is not a function of a router?
  - a) Packet Switching
  - b) Packet Filtering
  - c) Internetwork communication
  - d) Forwarding broadcasts by default
- (ii) Select ICMP is primarily used for \_\_\_\_\_
  - a) error and diagnostic functions
  - b) addressing
  - c) forwarding
  - d) routing
- (iii) Define which are the methods to move data through a network of links and switches?
  - a) Packet switching
  - b) Circuit switching
  - c) Both (a) and (b)
  - d) Line Switching
- (iv) State A 4 byte IP address consists of \_\_\_\_\_
  - a) only network address
  - b) only host address
  - c) network address & host address
  - d) network address & MAC address
- (v) Select which of the following protocols uses both TCP and UDP?
  - a) FTP
  - b) SMTP
  - c) TELNET
  - d) DNS
- (vi) Trace Application layer protocol defines \_\_\_\_\_
  - a) Types of messages exchanged
  - b) Message format, syntax and semantics
  - c) Rules for when and how processes send and respond to messages
  - d) All of these
- (vii) Identify the subnet number of a host with an IP address of 172.16.66.0/21?
  - a) 172.16.36.0
  - b) 172.16.48.0
  - c) 172.16.64.0
  - d) 172.16.0.0
- (viii) Select What class of IP address provides a maximum of only 254 host addresses per network ID?
  - a) Class A
  - b) Class C
  - c) Class B
  - d) Class D

