



DAH-003-2034003

Seat No. \_\_\_\_\_

**B. C. A. (Sem. IV) (CBCS) (W.E.F. 2019) Examination**

**April - 2022**

**CS - 21 : Network Technology & Administration**

*(New Course)*

**Faculty Code : 003**

**Subject Code : 2034003**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- 1 (a) Attempt following questions : 4
- (1) OSI stand for \_\_\_\_\_.
  - (2) What is Computer Network ?
  - (3) LAN stands for \_\_\_\_\_.
  - (4) The \_\_\_\_\_ layer lies between the session layer and the application layer.
- (b) Answer in brief : (any **one** out of two) 2
- (1) Explain Polling.
  - (2) List Out OSI layers.
- (c) Answer in detail : (any **one** out of two) 3
- (1) Explain Ring and Star Topology.
  - (2) Explain Disk quota.
- (d) Write a note on : (any **one** out of two) 5
- (1) Explain TCP/IP model in detail.
  - (2) Explain Network Communication methods.
- 2 (a) Attempt following questions : 4
- (1) MAC Stand for \_\_\_\_\_.
  - (2) CDM Stand for \_\_\_\_\_.
  - (3) TDM Stand for \_\_\_\_\_.
  - (4) Radio Wave is \_\_\_\_\_ type of media.
- (b) Answer in brief : (any **one** out of two) 2
- (1) What is HUB ?
  - (2) What is Bluetooth ?
- (c) Answer in detail : (any **one** out of two) 3
- (1) Explain guided media.
  - (2) Explain Fiber Optic Cable.
- (d) Write a note on : (any **one** out of two) 5
- (1) Explain FDM, TDM and WDM in detail.
  - (2) Explain unguided media.

- 3 (a) Attempt following questions : 4  
 (1) What is Protocols ?  
 (2) FTP Stand for \_\_\_\_\_.  
 (3) RIP Stand for \_\_\_\_\_.  
 (4) TCP is \_\_\_\_\_ type of protocols.
- (b) Answer in brief : (any **one** out of two) 2  
 (1) What is Telnet ?  
 (2) What is Routing ?
- (c) Answer in detail : (any **one** out of two) 3  
 (1) Explain POP3.  
 (2) Explain HTTP.
- (d) Write a note on : (any **one** out of two) 5  
 (1) Explain distance vector routing protocols with its all types.  
 (2) Explain UDP.
- 4 (a) Attempt following questions : 4  
 (1) An IP address 255.0.0.0 is a default address mask of class B. (True / False)  
 (2) Class D reserved for \_\_\_\_\_.  
 (3) MMC Stand for \_\_\_\_\_.  
 (4) IPV6 Stand for \_\_\_\_\_.
- (b) Answer in brief : (any **one** out of two) 2  
 (1) What is IP Address ?  
 (2) Explain Trees.
- (c) Answer in detail : (any **one** out of two) 3  
 (1) Explain Difference IPV4 VS IPV6.  
 (2) Explain Subnet Mask.
- (d) Write a note on : (any **one** out of two) 5  
 (1) Explain IPV4 Classes.  
 (2) Explain Various Editions of windows 2008 server.
- 5 (a) Attempt following questions : 4  
 (1) VPN Stand for \_\_\_\_\_.  
 (2) CCTV Stand for \_\_\_\_\_.  
 (3) GPS Stand for \_\_\_\_\_.  
 (4) BRI Stand for \_\_\_\_\_.
- (b) Answer in brief : (any **one** out of two) 2  
 (1) What is Internet ?  
 (2) Explain Proxy server.
- (c) Answer in detail : (any **one** out of two) 3  
 (1) Explain GPRS.  
 (2) Explain Dial up technology.
- (d) Write a note on : (any **one** out of two) 5  
 (1) Explain Security Method.  
 (2) Explain VPN with Type.