

# C.U.SHAH UNIVERSITY

## Winter Examination-2022

Subject Name : Basics of Internet

Subject Code: 4CS01ABN1

Branch: B.C.A.

Semester: 1

Date: 06/01/2023

Time: 11:00 To 01:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

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**Q.-1 Attempt following MCQs.**

**14**

- 1) Which of following is search engine?
  - a) Google
  - b) Yahoo
  - c) Bing
  - d) All of these
- 2) In IPV4, Class C has \_\_\_\_\_.
  - a) 24 bit network, 8 bit host
  - b) 8 bit network, 24 bit host
  - c) 16 bit network, 16 bit host
  - d) None of above
- 3) Routing is the responsibility of \_\_\_\_\_ layer.
  - a) Application
  - b) Network
  - c) Physical
  - d) None of these
- 4) \_\_\_\_\_ is a network of network.
  - a) Extranet
  - b) Intranet
  - c) Internet
  - d) All of these
- 5) \_\_\_\_\_ topology uses single cable which connect all included nodes
  - a) Ring
  - b) Star
  - c) Bus
  - d) Tree
- 6) DNS means\_\_\_\_
  - a) Domain Name Software
  - b) Domain Name System
  - c) Domain Name Scalability
  - d) None of these
- 7) For sending email \_\_\_\_\_ protocol/s used.
  - a) SMTP
  - b) MIME
  - c) Both A and B
  - d) None of these
- 8) Feature/s of www is \_\_\_\_\_



- a) Distributed  
c) Cross platform
- b) Uses web browsers  
d) All of these.
- 9) Which class is reserved for multicasting?  
a) E  
c) C
- b) D  
d) B
- 10) Intranet is a \_\_\_\_\_ network.  
a) Localized  
c) Both A and B
- b) World Wide  
d) None of these
- 11) \_\_\_\_\_ is a security device.  
a) Hub  
c) Firewall
- b) Switch  
d) None of these
- 12) WAN means \_\_\_\_\_  
a) World Area Network  
c) Wild Area Network
- b) Wide Area Network  
d) None of these
- 13) To connect nodes in single building/office, \_\_\_\_\_ is used.  
a) LAN  
c) WAN
- b) MAN  
d) All of these
- 14) E-Commerce means \_\_\_\_\_  
a) Electronic Commerce  
c) Electron Commerce
- b) Electric Commerce  
d) None of these

**Attempt any FOUR questions from Q-2 to Q-8.**

**Q.-2 Attempt following. 14**

- a) Define Internet. Explain advantages and limitations of Internet. 7  
b) Define topology. Write a note on Bus topology and Ring topology with advantages and disadvantages. 7

**Q.-3 Attempt following. 14**

- a) Differentiate: Hub, Switch and Router. 7  
b) Define OSI. Explain functions of physical and network layers. 7

**Q.-4 Attempt following. 14**

- a) Define IP. Write a note on classes provided by IPV4. 7  
b) Differentiate: IPV4 Vs. IPV6 7

**Q.-5 Attempt following. 14**

- a) Discuss protocol MIME and POP3 used in email. 7  
b) Write a note on: Intranet. Discuss diff. between Intranet and Internet. 7



- Q.-6 Attempt following. 14**
- a) Write a note on: HTML and www. 7
  - b) Discuss javascript with advantages and limitations. 7
- Q.-7 Attempt following. 14**
- a) Write a note on: Firewall. 7
  - b) Define *client server concept*. How does it work? Explain components of client/server model. 7
- Q.-8 Attempt following. 14**
- a) Explain advantages and disadvantages of E-Commerce. 7
  - b) Define E-Commerce. Explain models B2B and B2C used in E-Commerce. 7

