

2020

B.C.A

[HONOURS]

Paper : BCA-302

(Internet and E-commerce)

Full Marks : 80

Time : 4 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*Answer **Q. No. 1** and any **four** from the rest.

1. Answer any **eight** questions: $2 \times 8 = 16$
- Write two Telnet commands with example.
 - What is "container tag"? Give one example.
 - What is Router?
 - What is E-retailing?
 - Define the term "Checksum" in IP.
 - Write down the significance of tag in HTML. Give one example.

- How are "all host" interpreted in internet?
 - Write full form of SMTP and IMAP.
 - Write the disadvantages of IP address.
 - Differentiate between static and dynamic pages.
 - What is search engine? Give one example.
 - Write the function of Web Server.
2. a) Write different features of TCP.
b) Discuss format of TCP segment.
c) "TCP connection are full duplex and point to point" – Justify.
d) What do you mean by TCP-port and TCP-connection? $3+7+3+3=16$
3. a) Write the use of HLEN, IDENTIFICATION and PROTOCOL field of IP datagram.
b) Write the function of some FTP commands.
c) Explain the concept of record route option of IP datagram.
d) What is the purpose of
 tags in HTML? $5+5+4+2=16$

4. a) Discuss POP-3 and IMAP-4 protocols.
b) What are the uses of different IP address classes?
c) Discuss the meanings of each of the following signals of Telnet AYT, SYNCH, BRK, IP, AO.
 $5+6+5=16$
5. a) Design a form in HTML that is needed to open an account in Bank.
b) Discuss the different types of lists available in HTML.
c) Explain different email headers.
d) How do you link multiple HTML files? Explain with example. $6+4+4+2=16$
6. a) Write different payment methodologies used in E-commerce.
b) Why security is needed in E-commerce?
c) What is AAA?
d) How does firewall implement access control in internet?
e) What is E-banking? $6+2+2+4+2=16$

7. Write short notes on the following (any **four**):
 $4 \times 4 = 16$
- a) X.400
b) Usenet and IRC.
c) Web publishing tool.
d) www and its use.
e) Client server model.
f) Internet Explorer.
g) TCP/IP model.
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