

2021

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:  $2 \times 8 = 16$
- What is domain name?
  - Why HTML is called markup language?
  - What is the difference among webpage, website and web portal?
  - What is firewall? Give example.
  - Define Extranet.
  - What is web server? Give one example.
  - Write the characteristics of Internet.
  - What do you mean by "www"?

[Turn over]

- What do you mean by 'E-retailing'?
  - Write two telnet commands with example.
  - Write the utility of Usenet.
  - What is search engine? Give one example.
2. a) Write down the advantages of FDDI.  
 b) What do you mean by TCP-Port and TCP-connection?  
 c) "TCP connection are full duplex and point to point."– Justify.  
 d) Write different features of TCP.  
 $3+3+3+7=16$
3. a) Write the function of some FTP commands.  
 b) Discuss POP-3 and IMAP-4 protocols.  
 c) What is datagram encapsulation? Explain the concept of record route option of IP datagram.  
 d) What is the purpose of <BR> tags in HTML?  
 $4+4+6+2=16$
4. a) Define URL. Describe the types of URL.  
 b) Discuss the format of E-mail message.  
 c) How does firewall works?  $8+4+4=16$
5. a) Design a form in HTML for creating online ticket reservation page in railway.

b) Write the function of the tags—

i) <A>

ii) <TR>

c) What is "Container tag"?  $10+4+2=16$

6. a) How do you ensure security in E-commerce?

b) Write a note on E-commerce and retailing.

c) Discuss different threats present in internet.

$6+5+5=16$

7. Write short notes on the following (any **four**):

$4 \times 4 = 16$

a) AAA

b) SMTP

c) Web publishing tool

d) Internet Explorer

e) CGI

f) URL

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