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B.C.A. (Fifth Semester) Examination, 2019

Paper : BCA - 501

(Web Design)

Time : Three Hours / Maximum Marks : 70

Note : Attempt questions from **all** sections as per instructions.

Section - A

(Very Short Answer Type Questions)

Note : Attempt **all** parts of this section. Give answer of each part in about **50** words.

$1\frac{1}{2} \times 10 = 15$

1. (a) Define DNS and DES?
(b) What do you understand by TCP/IP?
(c) What are the components of HTTP URL?
(d) What is HTML? How many types of heading does an HTML contain?
(e) What is a marquee? Write the example of HTML alternate marquee.

P.T.O.

(2)

- (f) What is the need of FTP?
- (g) What is the syntax difference between a bulleted list and a numbered list?
- (h) What is website design?
- (i) What is web publishing?
- (j) What is the difference between <div> and <frame>?

Section - B

(Short Answer Type Questions)

Note : Attempt **all** questions. Give answer of each question in about **200** words. $7 \times 5 = 35$

2. What is Java Script? Explain Client-side Java Script and Server-side Java Script.

OR

What is hyperlink? How to create a hyperlink in HTML? <https://www.vbspustudy.com>

3. What is scaling in computer graphics? Write the important applications of computer graphics?

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OR

Explain the requirement of Encryption technique. What are the principle elements of public key Encryption?

4. What do you mean by telnet and FTP? Where they are used? Explain in detail.

OR

What is TCP/IP model? What is the role of TCP/IP in data transmission from source to destination?

5. What is a Constructor, Constructor overloading in Java and Copy constructor?

OR

What do you mean by Search engine? How do search engine work?

6. What are the main languages or platforms used for web-design? Mention what are the bad examples of web design?

OR

Explain the life cycle of an Applet. What happen when an Applet is loaded?

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P.T.O.

(4)

Section - C

(Long Answer Type Questions)

Note : Attempt any **two** questions of this section. Give answer of each question in about **500** words. $10 \times 2 = 20$

7. What is JVM? Why Java is called the "Platform Independence Programming Language"?
8. Discuss the term OOPS? What are the basic concepts of OOPS? Explain in detail.
9. What do you mean by the ISP? Discuss how information travel through an ISP?
10. Differentiate between Java Application and an Applet. What are the restrictions imposed on Java applets?
11. Write short notes on any **two** of the followings:
- (a) ASP and JSP.
 - (b) Function overloading and Operator overloading.
 - (c) Vector and Raster graphics.

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