

**B.Sc. (Part-I) Semester-II Examination**  
**COMPUTER APPLICATIONS (Vocational)**  
**(HTML and C Programming)**

Time : Three Hours]

[Maximum Marks : 80

- N.B. :-** (1) All questions are compulsory.  
(2) Assume suitable data wherever necessary.  
(3) Draw neat sketches wherever necessary.

1. (A) Fill in the blanks :

- (i) HTML stands for \_\_\_\_\_.  
(ii) \_\_\_\_\_ tag is used to link HTML document.  
(iii) Providing initial value to variable is called \_\_\_\_\_.  
(iv) \_\_\_\_\_ stores the address of another variable. 2

(B) Choose correct alternative :

- (i) Which of the following is ternary operator ?  
(a) ? : (b) &&  
(c) == (d) !=
- (ii) Which of the following tag is used to create unordered list ?  
(a) <OL> (b) <UL>  
(c) <LI> (d) <BR>
- (iii) \_\_\_\_\_ tag is used to insert image in HTML document.  
(a) <A> (b) <LINK>  
(c) <IMG> (d) <ROWSPAN>
- (iv) \_\_\_\_\_ is a collection of different data types sharing the same memory.  
(a) Structure (b) Union  
(c) Array (d) Pointer 2

(C) Write answer in **one** sentence each :

(i) What is global variable ?

(ii) What is a bookmark ?

(iii) What is web page ?

(iv) What is nested structure ?

4

2. (a) What is hyper text ? State the features of hyper text markup language.

6

(b) Explain the following tag with syntax and example :

(i) <HTML>

(ii) <HEAD>

(iii) <TITLE>

6

**OR**

3. (a) Explain the advantages and applications of HTML.

6

(b) Explain the following attributes :

(i) Alignment

(ii) Background color

(iii) Text color.

6

4. (a) Explain tags for paragraph, line break and headings with example.

6

(b) Explain the following types of lists :

(i) Numbered list

(ii) Bulleted list

(iii) Definition list.

6

**OR**

5. (a) Explain the different levels of headings with example.

6

(b) Explain the following tags with syntax and example :

(i) <STRONG>

(ii) <EM>

(iii) <BR>

6

6. (a) Describe the procedure and code to upload the image on the web page.

6

(b) How the internal and external links can be used to link the web pages ? Explain with example.

6

**OR**

7. (a) Explain the <IMG> tag with syntax and example. 6  
 (b) What is plus image map ? How it is created ? Give example. 6
8. (a) What is an Array ? How it is declared and initialized ? Explain with example. 6  
 (b) Write a program code in 'C' to illustrate structure. 3  
 (c) Give comparison of structure with union. 3

**OR**

9. (a) Explain the following functions with example :  
 (i) strlen ( )  
 (ii) strcpy ( )  
 (iii) strcmp ( ) 6  
 (b) Describe advantages of pointers. Explain pointer arithmetics. 6
10. (a) What is function ? Explain function prototype with example. 6  
 (b) Write a program code in 'C' to sort the elements of an array using function. 6

**OR**

11. (a) Explain the following terms :  
 (i) local variable  
 (ii) global variable  
 (iii) return ( ) 6  
 (b) Write a program code in 'C' to swap two numbers using pointers and function. 6
12. (a) What is file ? Explain opening and closing of file with suitable example. 6  
 (b) Explain the following functions with example :  
 (i) fread ( )  
 (ii) fwrite ( )  
 (iii) fscanf ( ) 6

**OR**

13. (a) Explain the following functions with example :  
 (i) fgetc ( )  
 (ii) fputc ( )  
 (iii) fputs ( ) 6  
 (b) Write a program code in C to read a character from keyboard and store in file. 6

