

2014

COMPUTER SCIENCE

Full Marks – 80

Pass Marks – 20

Time : Three hours

Answer all the questions.

The figures in the right hand margin indicate full marks for the questions.

Answer the following questions :

1. Define a 'record'. 1
2. Write the full form of TCP / IP. 1
3. Name a popular web browser. 1
4. What is a bookmark ? 1
5. What is the most basic element of any HTML page ? 1
6. Write the general form of the ternary operator. 1
7. What are the ways can a table be opened ? 2
8. Name two popular free E-mail programs. 2
9. What are the roles of Refresh and History options in a web browser ? 2

Contd.

10. Write any two attributes used in <BODY> tag. 2
11. What is the use of tag in HTML code ? Write any two options used with this tag. 2
12. Write the expansion of the following tags used in HTML : 2
- (i) HR
- (ii) BR
13. Differentiate between ALINK and VLINK attributes of <BODY> element. 2
14. What are the different ways of creating a primary key ? 3
15. What do you mean by the term surfing ? Write the two web addressing systems. 3
16. What are the container and empty elements in HTML ? How many heading levels are supported by HTML ? 3
17. Construct logical expression to represent the following conditions : 3
- (i) weight is greater than or equal to 50 but less than 70
- (ii) n is even
- (iii) ch is a lowercase letter

18. Rewrite the following program segment using while statement : 3

```
int i, num, sum = 0,
for (i = 1 ; i <= 10 ; i + +)
{
    scanf ("%d", & num)
    if (num < 0)
        break ;
    sum + = num ;
}
```

19. Differentiate the followings : 4

- (i) web page and home page
- (ii) uploading files and downloading files

20. What are the different types of lists that can be created in HTML ? Write various attributes that can be given with <A> tag. 4

21. Correct the errors : 4

```
<BODY >
<HTML >
</OL >
<LI > SUN
<LI > EARTH
<LI > MOON
<OL START "A" TYPE = "1" >
<HTML >
<BODY >
```

22. Write an algorithm to find the value of the power of a number m raised by an integer n . 4
23. What do you mean by recursion ? Write a recursive function to find the factorial of a number. 4
24. (a) Write three advantages of the Internet. 3
- (b) What is a search engine ? Give two examples of search engine. 3
25. Write HTML code to generate the following output : 5
- MY FAVOURITE SUBJECTS ARE
- (I) PHYSICS
 - (II) MATHS
 - (III) COMPUTER SCIENCE
- MY FAVOURITE GAMES ARE
- (III) CRICKET
 - (IV) FOOTBALL
 - (V) CHESS
26. Write a C program to find the average of n numbers. 5
27. Write a C program to print the H.C.F. of two numbers. 5
28. Write a C program to find the biggest number in an array of numbers. 5