COMPUTER APPLICATION (COMMERCE)

Maximum : 60 Scores

Time : 2 Hours

Cool off time : 15 Minutes

1. Ravi received an interview call letter from PSC next day after the date of the interview. Therefore he was not able to attend the interview. Which value of information is lost here ? **(1)**

2. What do you mean by data ? What are the steps that are generally followed in data processing ? **(3)**

3. (a). Name the character coding format that permits the use of Malayalam characters in a computer. **(1)**

(b) Explain its features. **(2)**

4. If $(92)_x = (222)_y$, then find x and y. **(2)**

OR

5. Fill in the blanks.

(a) $(11101)_2 - (\underline{\quad})_2 = (10111)_2$ **(1)**

(b) $(\underline{\quad})_2 - (11011)_2 = (1011)_2$ **(1)**

6. Flat panel displays are mostly used for displays in portable computers. Why ? **(2)**

7. Sunil plans to start a supermarket in the city. To improve the efficiency in billing, he wishes to purchase computers and peripherals.

a) Suggest a hardware configuration that suits this purpose. **(3)**

b) Suggest devices for efficient data entry and printing of bills. Justify. **(2)**

8. Explain the structure and working of a CD. **(3)**

9. What is TCP/IP ? What is its importance ? **(2)**

OR

10. What is an IP address ? Give an example of an IP address. **(2)**

11. The Computer Club in your school plans to conduct a quiz programme. There is a suggestion that applications for the contest should be received by e-mail only.

a) What advantages will you get if applications are received by e-mail ? **(2)**

b) Suggest an e-mail address for receiving applications. **(1)**

12. Ramya works in an office where there are 5 computers. She plans to interconnect these computers. List the advantages she will get by doing this. **(2)**

13. a) An algorithm to calculate the sum of even numbers between 1 and 50 is given below. Arrange the steps in the correct order so as to get the result.

Start

Sum = 0

If Num

Num = Num + 1

If remainder of Num/2=0 then

Sum = Sum + Num

Num = 1

Output Sum

Stop **(2)**

b) Draw a flow chart for the above algorithm. **(3)**

14. List and explain the three different components of the UNIX operating system. **(3)**

15. Write notes on any three uses of a computers in the field of medicine and healthcare. **(3)**

16. "An integrated workstation is the major component of an integrated office". What functions should an integrated workstation perform so as to justify the above statement ? **(2)**

17. Categorize the following into two and give suitable headings.

Google, Internet Explorer, Yahoo, Mozilla **(3)**

18. Name any container control in Visual Basic. **(1)**

19. Convert the following into an equivalent VB statement.

$$x = \frac{1 + a^3 + 2ab}{2}$$

(2)

20. Compare forms and modules in VB. **(2)**

21. Explain the following three components of VB IDE.

a) Project Explorer window

b) Properties window

c) Form Layout window **(3)**

22. In a VB programm, George wishes to display a message. Only when the right mouse button is clicked. Name the VB event for this purpose and write its syntax. **(3)**

23. Kavya is designing a VB form consisting of a text box named 'txtComment' to enter comments about a film. The comment can be entered in more than one line and can have a maximum of 150 characters. Write the property settings for this. **(2)**

24. The following numbers have to be stored in the variables 'Num1' and 'Num2' respectively. Suggest the most suitable data types for the two variables.

a) 2356.67

b) 39456 **(2)**

25. Write a VB program to print the multiplication table upto 10 of a given number on the form. Accept the number in a text box. **(3)**

OR

26. Write a VB program to calculate the printing charges for a school annual day invitation letter. If the number of copies is less than 100, then printing charge is Re. 1 per copy. If the number of copies is between 100 and 500, then the charge is 75 paise per copy and for more than 500 copies, it is 50 paise. Accept the number of copies using a text box. **(3)**