

MODEL QUESTION Feb- 2012
COMPUTER APPLICATION
(Commerce Group)

Scores : 60
Time : 2 Hrs

1. Which among the following is information? 1 Score
 - a. The marks of six subjects of a student
 - b. The mark-list with total, percentage and grade for each subject.

2. Complete the Octal number series given below 1 Score
345,346, 347,,

3. A memory area inside the microprocessor is called 1 Score

4. Identify the name of the complex circuit inside the computer which holds the processor and other components or cards. 1 Score

5. The user interface in Visual Basic software is 1 Score

6. Praveen wants to give his name and class in a VB program he developed without affecting the execution or results. How is it possible? 2 Scores

7. "It is always better to select computer as a tool for data processing". Justify the above statement by listing any four capabilities of computer. 2 Scores

8. Express -21 in 2's complement form. 2 Scores

9. In a shop the price of products are shown in hexadecimal system. A man bought three articles priced AD, FC and BB respectively. He gave 1000 rupees. How much balance amount will he get back?(Express the figure in Hexadecimal system itself). 2 Scores

10. A student got some hand-written notes from his friend. He wants to transfer the notes a computer without typing it. After that he wants to edit it also.
 - i. Identify the most suitable input device for the above purpose 1 Score
 - ii. Explain the working of it. 2 Scores

11. Ram and Murali went to a hardware shop for purchasing a hard-disk. The first type has less hit-ratio and high access time. The second type has less access time and high hit ratio. According to your opinion, which model is best? Why? 2 Scores

12. There are two offices, office1 and office2. In office1 everyone is using individual computers which are not interconnected. But in office2 all the computers are interconnected. According to your opinion which is better? Why? 3 Scores

13. Internet connection can be taken mainly in two ways. Identify the types and compare them. 2 Scores

14. The following is an algorithm
Step 1: Start
Step 2: Let A=1 Sum=0
Step 3: Input the limit, N

Step 4: Let Sum=Sum+A*A
Step 5: Let A=A+1
Step 6: If A <=N then Goto Step 4
Step 7: Print "The Sum of Squares is", Sum
Step 8: Stop

Represent the above algorithm in a diagrammatic way. How do you call it? 3 Scores

15. Two friends decided to buy computers for their home purpose. The first person bought all the required software also along with the hardware. He had to pay a good sum of extra money for the software. But the second person bought the hardware and copied all the required software from somebody. Thus he saved some money. Which person do you support? Justify.

2 Scores

16. Read the following and identify the particular name given to the application of computers

- It is possible to treat a patient sitting in distant place by a specialist doctor via network.
- Identification of criminals can be done by analyzing the samples collected from the crime site.
- Government can control and coordinate the functions by integrating computers and communication technology.

3 Scores

17. In the olden days people used a mechanical device for making copy of a document. But now a day it is very easy to make a copy. Identify the different methods mentioned over here and briefly describe each.

2 Scores

18. Now a day, communication in an office is not a difficult task. Briefly explain any four facilities available in an office to make it modern.

4 Scores

19. Rahul wants to collect some details about output devices for his class seminar. He decided to make use of Internet.

- Identify the software tools available in Internet which can help Rahul 1 Score
- Briefly explain the activities involved in the above process 2 Scores

20. How do you differentiate between Autosize and WordWrap properties of a Label control in Visual Basic.

2 Scores

Or

21. Write the significance of any two components of VB-IDE(Integrated Development Environment).

2 Scores

22. Babu a student is doing a VB project. He likes to do the following tasks. How can you advice him to fulfill them?

- There is a TextBox in the form. The number of characters in it must be restricted to 20
- The form must look like a Fixed dialogue box.
- Set the color of the command button in the form to Green.

3 Scores

Or

23. Re-write the following VB code segment using some other statement without affecting the output.

```
If n=1 Then
    MsgBox "Apple"
Elseif n=2 Or n=3
    MsgBox "Orange"
```

```
Else  
    MsgBox "Grapes"  
End If
```

3 Scores

24. Identify Event, Method and Property from the following statement. Also define each. 3 Scores
" On pressing the red key, the mobile switched off"

25. Write the effect of the following VB statements 2 Scores

- a. Form1.Caption = "My Form"
- b. Me.Hide

26. Write a VB program to calculate the simple interest of a deposit. If the deposit amount is below 10000, the rate 5%. If the amount is 10000 to 25000, the rate is 8% and 10% for other amounts. The details to be accepted are amount deposited and number of years of deposit. Input and output must be accepted/displayed in TextBoxes. The calculation is done when a command button is clicked.

Hint: Simple Interest = $P \times N \times R / 100$. P-Principal Amount. N-No.of Years R-Rate of Interest

5 Scores

27. Anoop got a class assignment to write suitable VB statements to print all odd numbers between 10 and 100 in four different ways. How can he do that? 5 Scores

Hint: Full program is not necessary.

Or

28. 'Computers have many applications in the field of Education'. Write value points to justify the above statement. 5 Scores
