

[This question paper contains 6 printed pages.]

Your Roll No.....

1. Category	Product	Area	Sales in \$
2. Hardware	Keyboard	California	2500
3. Hardware	Mouse	Tennessee	3000
4. Software	Mother-b	New york	12000
5. Software	CPU	Ohio	7000
6. Hardware	Cables	Utah	3000
7. Hardware	Monitor	Colorado	5000

(6)

7. Define Software. Give its five characteristics. How software is different from hardware? Also describe different types of software? Give Examples. (6)
8. Illustrate different functions of MS word. How MS word is different from MS Excel? (6)

(500)

Sr. No. of Question Paper : 1119 D

Unique Paper Code : 6202451102

Name of the Paper : Computer Fundamentals

Name of the Course : **B.VOC SOFTWARE DEVELOPMENT**

Semester : I

Duration : 2 Hours Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Please attempt any Eight from section A
3. Please attempt any Six from section B

SECTION-A

1. Which of the following formulas will Excel Not be able to calculate? Explain why? Also discuss two arithmetic formulas in Excel. (3)

P.T.O.

(a)=SUM(Sales)-A3

(b)=SUM(A1:A5)*.5

(c)=SUM(A1:A5)/(10-10)

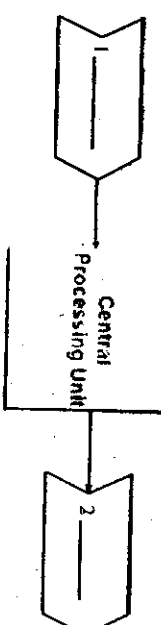
(d) =SUM(A1:A5)-10

2. Which unit is responsible for converting the data received from the user into computer understandable format? What is the smallest unit of data in computer. Discuss. (3)

3. Explain characteristics and capabilities of computer system. (3)

4. What do you mean by Operating System? Give different types of OS. (3)

5. What is storage device? Explain primary and secondary storage device. Explain with example. (3)



5. Define pivot tables. How can you check whether the Pivot table is modified or not? Is it possible to make Pivot table using multiple sources of data? (6)

6. Consider the following spreadsheet showing the sales of a store located in different areas and answer the following questions

(i) Write formula to calculate the total sales.

(ii) What is the average sale? write formula.

(iii) Write formula to calculate the total sales amount for software items.

6. Differentiate between the following: (3)

RAM and ROM in computers

Auxiliary memory and Virtual memory

7. Describe motherboard in a computer system? Define system buses, Ports and interfaces. (3)

8. What is data? how data is different from Information? Explain data mining and data warehousing. (3)

9. Write a short note on: (3)

(i) Bluetooth

(ii) Big data and its features

SECTION B

1. Discuss different uses of number system? Explain octal and Hexadecimal number system with example.

Also

(6)

2. Convert the following:

(i) Convert the number $(5062)_{10}$ to the binary system

(ii) Convert $(159)_{10}$ to the octal number system.

(iii) Convert $(11111111)_2$ to octal.

(iv) Convert $(2CD)_{16}$ to octal number.

(v) Convert $(127)_{10}$ to octal.

(vi) Convert $(10101010)_2$ to octal. (6)

3. What do you understand by Data Visualization? How Excel is useful for this? Discuss some data visualization tools in excel. Give Example (6)

4. Explain the term Big Data. What are five V's of big data? Explain in detail. Also Label the parts 1 and 2. Discuss each component part 1, 2 and Central Processing Unit. (6)