

Quarterly Examination - 2018-19

COMPUTER SCIENCE

Class : VII

Time : 2 Hrs. 15 mints

Full Marks : 80

Section A

(All questions are compulsory)

1. Fill in the blanks (10x1=10)
  - i. The base of binary number system is \_\_\_\_
  - ii. Ston virus is a type of \_\_\_\_ virus.
  - iii. By default, a workbook contains \_\_\_\_ worksheets.
  - iv. Octal number system consist of \_\_\_\_ digits
  - v. \_\_\_\_ is the most expensive virus in the world.
  - vi. \_\_\_\_ bar shows the data and formulas entered in an active cell.
  - vii. A computer virus \_\_\_\_ the normal operations of a computer.
  - viii. We can enter \_\_\_\_ types of data in a worksheet.
  - ix. A \_\_\_\_ is a group of contiguous cells, which form the shape of a rectangle.
  - x. Ctrl + v key combination is used to \_\_\_\_ the cell contents.
2. State true or false : (4x1=5)
  1. Copy, cut and paste are present in the Font group.
  2. A computer understands only English language.
  3. Microsoft Excel is the most suitable program for documentation.

4. We should equip our computer with antivirus program.
5. Spyware creates a backdoor on a computer
3. Answer the following : (7x2=14)
- Name the ways by which a computer virus spread.
  - Differentiate between workbook and worksheet.
  - Explain the hexadecimal number system.
  - What is a formula bar?
  - Name the symptoms of virus in computer.
  - What is the function of undo and redo command?
  - Explain 2 methods for copying data.
4. Match the following : (6)
- | <u>A</u>         | <u>B</u>       |
|------------------|----------------|
| 1. Aryabhatt     | a. April first |
| 2. Popular virus | b. Text        |
| 3. Data          | c. Zero        |
| 4. Antivirus     | d. A5          |
| 5. Cell address  | e. Bancos      |
| 6. Malware       | f. Quickheal   |
5. Give one word answer : (10x1=10)
- The number system we use in our day to day life \_\_\_\_\_.
  - The first PC virus \_\_\_\_\_.
  - A formula starts with \_\_\_\_\_
  - A free antivirus software \_\_\_\_\_
  - Default name of a worksheet in an Excel Workbook \_\_\_\_\_.

- The virus named after the wooden horse used by the Greek Army to conquer the City of Troy\_\_\_\_\_.
  - Eight bits is equal to \_\_\_\_\_.
  - A popular virus \_\_\_\_\_.
  - The intersection of a row and column in a worksheet \_\_\_\_\_.
  - A virus that was first detected on ARPANET \_\_\_\_\_.
6. Convert the following : (6x2½=15)
- Convert decimal number  $(15)_{10}$  to binary number.
  - Convert binary number  $(10010)_2$  to decimal number
  - Convert octal number  $(312)_8$  to decimal number
  - Convert decimal number  $(93)_{10}$  to octal number
  - Convert hexadecimal  $(3C)_{16}$  to decimal number
  - Convert decimal number  $(188)_{10}$  to hexadecimal number.

### SECTION B

(Attempt any 5 questions) (5x4=20)

- Give any 4 features of Microsoft Excel
- What is a computer virus? Name the types and explain them briefly.
- What is a number system? Name and explain the 4 types in brief.
- Give any 4 steps to prevent virus attack.
- Name and explain in brief the types of data that can be entered in a Microsoft Excel worksheet.
- Give the keyboard shortcut for the following :
  - To undo the last action
  - To copy the data
  - To open a workbook
  - To paste the data.