2022/TDC/ODD/SEM/BVOCGE–102T/444

TDC (CBCS) Odd Semester Exam., 2022

B.VOC (Information Technology)

(1st Semester)

Course No. : BVOCGE–102T

(Fundamentals of Computer)

Full Marks : 70
Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer *any* **one** question from each Unit

UNIT—I

1. (a) Define computer. How does human interact with computer?　　2+6=8

   (b) Explain basic parts and structure of computer with block diagram.　9

2. What is information? How does information differ from data? Explain information processing life cycle with diagram and flowchart.　1+4+12=17

　　　(Turn Over)

UNIT—II

3. Write short notes on the following with example :   3×6=18

(a) Software

(b) Hardware

(c) Application software

(d) System software

(e) Custom-made software

(f) Shrink-wrapped software

4. *(a)* What is networking? Explain the major types of networking.   2+8=10

(b) Explain the different components of a network.   8

UNIT—III

5. *(a)* What is data processing? Explain the stages of data processing.   2+8=10

(b) Explain the factors affecting processing speed.   8

6. What is operating system? What are the different types of operating system? Explain all the types with example.   2+4+12=18

UNIT—IV

7. *(a)* What is Internet? Write the major services of Internet.   1+6=7

(b) What are the qualities of a good algorithm? Write an algorithm for solving a given quadratic equation.   5+5=10

8. Define flowchart. Explain all the symbols used in drawing flowchart with diagram. Write an algorithm and draw a flowchart to swap the contents of two variables.   1+8+8=17

★ ★ ★