

TDC Odd Semester Exam., November—2019

B.VOC (Information Technology)

(1st Semester)

Course No. : BVO-GE-102

(Fundamentals of Computer)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer **four** questions selecting **one** from each Unit.

UNIT—I

- 1.** Define computer. How humans interact with computer? What are the main components of a computer system? Explain all the components with block diagram. 2+3+1+12=18
- 2.** What is information? What are the characteristics of a meaningful information? Explain information processing life cycle with diagram and flowchart. 2+3+13=18

(2)

UNIT—II

3. Write short notes on the following with examples : $5+4+4+4=17$

- (a) System software
- (b) Application software
- (c) Custom-made software
- (d) Shrunk-wrapped software

4. What is computer networking? Explain major types of computer networking. Write the uses of all the components which are required to set up a computer network. $2+8+7=17$

UNIT—III

5. How does a computer process data? Explain the factors affecting processing speed. $9+9=18$
6. What is operating system? What are the different types of operating system? Explain all the types of operating system with example. $2+2+14=18$

(3)

UNIT—IV

7. (a) What is Internet? Write the major services of Internet. $2+6=8$
- (b) What are the qualities of a good algorithm? Write an algorithm for solving a given quadratic equation. $3+6=9$
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. $2+5+10=17$
