

Roll No.

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Total No. of Pages : 04

Total No. of Questions : 09

B.Voc (Software Development) (Sem.-1)
IT FOUNDATION AND PROGRAMMING CONCEPTS

Subject Code : 5.GV.01

M.Code : 77045

Date of Examination : 10-01-2023

Time : 3 Hrs.

Max. Marks : 30

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying ONE mark each.**
2. **SECTION-B contains FIVE questions carrying 2½ (Two and Half) marks each and students has to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying FIVE marks each and students have to attempt any TWO questions.**

SECTION-A

I. Multiple choice questions :

(A) The brain of any computer system is

- ALU
- Memory
- CPU
- Control unit

(B) The two kinds of main memory are:

- Primary and secondary
- Random and sequential
- ROM and RAM
- All of above

- (C) Which of the following is a part of the Central Processing Unit?
- a. Printer
 - b. Keyboard
 - c. Mouse
 - d. Arithmetic & Logic unit
- (D) Office LANS, which are scattered geographically on large scale, can be connected by the use of corporate
- a. CAN
 - b. LAN
 - c. DAN
 - d. WAN
- (E) What characteristic of Read Only Memory (ROM) makes it useful?
- a. ROM information can be easily updated.
 - b. Data in ROM is non-volatile, that is, it remains there even without electrical power.
 - c. ROM provides very large amounts of inexpensive data storage.
 - d. ROM chips are easily swapped between different brands of computers.
- (F) Instruction in computer languages consists of
- a. OPCODE
 - b. OPERAND
 - c. Both of above
 - d. None of above

- (G) A compiler is a translating program which
- a. Translates instruction of a high level language into machine language
 - b. Translates entire source program into machine language program
 - c. It is not involved in program's execution
 - d. All of above
- (H) What is internet?
- a. A single network
 - b. A vast collection of different networks
 - c. Interconnection of local area networks
 - d. None of the mentioned
- (I) What does Router do in a network?
- a. Forwards a packet to all outgoing links
 - b. Forwards a packet to the next free outgoing link
 - c. Determines on which outgoing link a packet is to be forwarded
 - d. Forwards a packet to all outgoing links except the originated link
- (J) How would you declare a variable to store the gender of a person?
- a. Character nGender
 - b. String sGender
 - c. Character cGender
 - d. Numeric nGender.

SECTION-B

2. What are Intellectual Property Rights (IPR)?
3. Differentiate between LAN and WAN.
4. Distinguish between primary and secondary memory.
5. Explain the term “flowchart” with suitable example.
6. Differentiate between top-down and bottom-up programming approaches with examples.

SECTION-C

7. Draw and explain the block diagram of digital computer.
8. Define the software. List and explain the types of software. Give two example of each category.
9. What do you mean by networks? Explain various types of networks.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.