Seat No: _____   Enrolment No: _____

PARUL UNIVERSITY
COLLEGE OF AGRICULTURE
B.Sc. (Hons.) Summer 2021 - 22 Examination

Semester: 3   **Date: 23-03-2022**
Subject Code: 20111201   **Time: 2:00pm to 4:30pm**
Subject Name: Agri-Informatics   **Total Marks: 50**

Instructions
1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page

Q.1 Do as Directed.

A. Fill in the blanks. (Each of 0.5 mark)   **(05)**

1. The printed output from a computer is called _____
2. Eight Bits make up a _____
3. _____ computer language is written in binary codes only?
4. Name of the screen that recognizes touch input is_____.
5. The computer understands _____ language.
6. The output shown on the computer monitor is called _____.
7. OSS stands for _____.
8. Interpreter is used as a translator for _____.
9. The device primarily used to provide hardcopy is the _____.
10._____ is Known as Non-Volatile Memory.

B. Multiple choice type questions. (Each of 0.5 mark)   **(10)**

1 ALU stands for
   a) Arithmetic Logic Unit   c) Array Logic Unit
   c) Array Logic Unit   d) None

2 What is Full form of DOS?
   a) Data Operating System   c) Disk Operating System
   c) Disk Operating System   d) Design Operating System

3 Which of the following monitors looks like a television and are normally used with non-portable computer system?
   a) LED   c) CRT
   b) LCD   d) Flat Panel Monitors

4 What is the smallest unit of information?
   a) A bit   c) A Block
   b) A byte   d) A nibble

5 Who is the father of Computers?
   a) James Gosling   c) Dennis Ritchie
   b) Charles Babbage   d) Bjarne Stroustrup

6 Which of the following is the correct abbreviation of COMPUTER?
   a) Commonly Occupied Machines Used in Technical and Educational Research   c) Commonly Oriented Machines Used in Technical and Educational Research
   b) Commonly Operated Machines Used in Technical and Environmental Research   d) Commonly Operated Machines Used in Technical and Educational Research

7 What is the full form of CPU?
   a) Computer Processing Unit   c) Central Processing Unit
   b) Computer Principal Unit   d) Control Processing Unit

8 Which of the following is designed to control the operations of a computer?
   a) User   c) System Software
   b) Application Software   d) Utility Software

9 Which of the following are physical devices of a computer?

a) Hardware   c) System Software

b) Software   d) Package

10 Internal Units of the CPU are?

a) Control Unit, Memory Unit, ALU   c) Operate Unit, Memory Unit, ALU

b) Central Unit, Main Unit, ALU   d) Process Unit, Memory Unit, ALU

11 Which of the following is known as the interval between the instant a computer makes a request for the transfer of data from a disk system to the primary storage and the instance the operation is completed?

a) Disk utilization time   c) Disk access time

b) Drive utilization time   d) Disk arrival time

12 Which of the following can access the server?

a) Web Client   c) Web Browser

b) User   d) Web Server

13 These devices provide a means of communication between a computer and outer world.

a) I/O   c) Compact

b) Storage   d) Drivers

14 Which of the following is not a point-and-draw device?

a) Keypad   c) Touch screen

b) Trackball   d) Mouse

15 The word processing feature that catches most random typographical errors and misspellings is known as _____?

a) Grammar Checker   c) Word Checker

b) Spell Checker   d) None of the above

16 They normally interact with the system via the user interface provided by the application software.

a) Programmers   c) Users

b) Developers   d) Testers

17 Arrange in ascending order the units of memory TB, KB, GB, MB.

a) TB>MB>GB>KB   c) TB>GB>MB>KB

b) MB>GB>TB>KB   d) GB>MB>KB>TB

18 Which one is the result of the output given by a computer.

a) Data   c) Information

b) Instruction   d) Excursion

19 Which of the following programs enables you to calculate numbers related to rows and columns?

a) Window Program   c) Graphics Program

b) Spreadsheet Program   d) Word Program

20 Which one of these is also known as read/write memory?

a) ROM   c) DVD

b) RAM   d) Hard Disk

Q.2 Do as Directed.

A. Define the following. (Any five out of seven) (05)
1. What is Computer Virus?
2. Write different input and output devices of a computer.
3. What is Geospatial Technology?
4. Give example of any smartphone app used for Agriculture
5. Define programming languages. Give example of any 5 programming languages
6. What is Application software?
7. Define System software.

B. Answer the following. (Any five out of seven) (05)
1. Explain different features of PowerPoint.
2. What is a computer model in agriculture?
3. What do you mean by GIS? How is it helpful in agriculture data analysis?
4. What is the internet?
5. What is a Distributed OS?
6. What is LAN?
7. Define GUI?

Q.3 Write short notes. (Any five out of six) (10)
1. What is e-Agriculture?
2. Write the key features of soil information system.
3. Explain use of ICT in the area of agriculture.
4. What are the different units of a computer memory?
5. Write the key features of MS-Excel.
6. What are the advantages of E-mail?

Q.4 Long Questions/Example (Attempt any three out of four) (15)
1. Explain any four features of MS Word with example.
2. Explain in detail the Input-Process-Output cycle for computer systems.
3. Briefly explain Agriculture Expert System.
4. Write advantages of ICT in agriculture.