PARUL UNIVERSITY
COLLEGE OF AGRICULTURE
B.Sc.(Hons.)Agriculture Winter 2018 - 19 Examination

Semester: 3   Date:24 /10/2018
Subject Code: 20111201   Time: 10:30 am to 1:00 pm
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. RAM is _____memory.(volatile, non-volatile)
2. Search Engines are _____. (software, website)
3. GPS stands for _____.
4. Data in network database are represented by collection of _____.
5. Expert system for lime production is_____.
6. IFFCO stands for _____.
7. WWW stands for _____.
8. The _____and _____ are jointly known as CPU.
9. HTTP stands for _____.
10. Collection of related webpages is called_____.

B. Multiple choice type questions. (Each of 0.5 mark)   (10)
1. High level language means
   a) close to User   c) both a and b
   b) close to hardware   d) none
2. Which one is not a programming language?
   a) HTML   c) C++
   b) C   d) COBOL
3. Which operating system is a time sharing operating system?
   a) multi programming OS   c) multi-tasking OS
   b) batch OS   d) all of these
4 Hypertext document is called _____
   a) website   c) web browser
   b) webpage   d) none
5 _____Memory that is used by the program in execution.
   a) RAM   c) Hard Disk
   b) ROM   d) None
6 A Multimedia Expert System for Lime Production is _____.
   a)citex   c)cuptex
   b)tomatex   d) none
7 Which one is search engine?
   a)chorme   c)firefox
   b) yahoo   d) none
8 Collection of related Hypertext documents is called _____
   a) website   c) web browser
   b) webpage   d) none
9 Identify the address in given URL.
   https://www.tutorialspoint.com/cprogramming/index.htm
   a)cprogramming/index.htm   c) www.tutorialspoint.com
   b)Cprogramming   d) All of these

10 Which operating system is not time sharing operating system?
     a) Multiprogramming with time sharing OS   c) Multi-tasking OS
     b) Batch OS   d) All of the above

11 Which of the following is not an input device
     a) mouse   c) joystick
     b) monitor   d) scanner

12 ALU performs
     a) arithmetic operations   c) both a and b
     b) logical operations   d) none of these

13 A computer only understands
     a) Hexadecimal   c)Binary
     b)Decimal   d)None of these

14   Firmware program is stored in
     a) RAM   c) CD
     b) DVD   d) ROM

15 Example of application software is_____
     a) Operating System   c) DBMS
     b) linker   d) Compiler

16 Example of web Browser is _____.
     a) Internet Explorer   c)firefox
     b) chrome   d) All of these

17 CPU stands for_____.
     a) Center processing unit   c) Central processing unit
     b)Center programming unit   d)Central programming unit

18 Linux is _____ software.
     a) open source software   c) application software
     b)proprietary software   d) none of the above

19   Windows 10 is _____ software.
     a) System   c) java
     b) application   d) none

20 Ctrl + d means
     a) Redo last action   c)undo last action
     b) save file   d) delete file

Q.2 Do as Directed.
A. Define the following. (Any 5 out of 7)   (05)
1. Remote sensing
2. Programming language
3. Operating system
4. E-agriculture
5. Database
6. Website
7. URL

B. Answer the following. (Any 5 out of 7)   (05)
1.List out the input devices.
2. Explain role of assembler in low level programming language.
3. Difference between RAM and ROM.
4. List out the advantages of DBMS.
5. Give the example of optical disk.
6. List out the smart phone applications which are used in agriculture.
7. Give the general form of URL.

Q.3 Write short notes. (Any5 out of 6) **(10)**
   1. Explain multi programming operating system.
   2. Write down the classification of expert system.
   3. Explain primary memories.
   4. Explain relational database, network database and hierarchical database.
   5. Explain use of ICT in agriculture.
   6. Explain multi-tasking operating system.

Q.4 Attempt any Three out of Four/Long Questions/Example (5 marks each) **(15)**
   1. Describe application of decision support system.
   2. Explain types of software with example.
   3. Define Decision support system and explain components of decision support system.
   1. Explain LIMEX expert system.