Seat No: _____   Enrollment No: _____

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

Semester: 3   Date: 22/04/2019
Subject Code: 20111201   Time: 10:30 am to 01:00pm
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. ROM is ………………………… memory.(volatile, non-volatile)
2. Search Engines are _____. (software, website)
3. DVD stands for _____.
4. _____scheduling policy is used in multi-tasking operating system.
5. GIS stands for _____.
6. The process of storing a web page on a web server is called _____.
7. Expert system for lime production is_____.
8. The _____and _____ are jointly known as CPU.
9. Compiler is an example of _____ software.
10. Collection of related webpages is called_____.

B. Multiple choice type questions. (Each of 0.5 mark)   (10)
1. _____ is not Graphical browser.
   a) lynx   c)firefox
   b) chrome   d) Opera mini
2_____Memory that is used by the program in execution.
   a) RAM   c) Compact Disk
   b) ROM   d) Hard disk
3 HTML stands for_____.
   a) Hyper Top Machine Language   c) Hyper Text Markup Language
   b)Hightext Markup Language   d) None
4 Which scheduling policy is used in multi-tasking operating system.
   a) Round robin   c) shortest job first
   b) First come first serve   d) all of these
5 Which one is non-computational language?
   a) HTML   c) COBOL
   b) C++   d) Java
6A 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 Hypertext document 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 a time sharing operating system?

a) multi programming OS   c) Multi-tasking OS
b) Batch OS   d) All of the above

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

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

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

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

15 Identify the protocol in given URL.
    https://www.tutorialspoint.com/cprogramming/index.htm
   a)cprogramming/index.htm   c) www.tutorialspoint.com
   b)Cprogramming   d) https

16 where is RAM located ?
   a) Expansion Board   c) External drive
   b) Motherboard   d) none of the above

17 Assembly language is
   a) Lower level language   c) Machine Language
   b) Higher level language   d) None of these

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

19 Which component can be defined as the brain of the computer
   a) CPU   c) Memory
   b) Monitor   d) All of these

20 Ctrl + z 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) (1 mark each)   **(05)**
1. Computer
2. operating system
3. uploading
4. DBMS
5. E-agriculture
6. Remote sensing
7. DSS

B. Answer the following. (Any 5 out of 7) (1 mark each)   **(5)**
1. List out types of primary memories.
2. Give the example of geospatial technology.
3. List the smart phone applications which are used in agriculture.
4. Give the example of optical disk.
5. List out the advantages of DBMS.
6. Describe the role of assembler in programming language.
7. Difference between data and information.

Q.3 Write short notes. (Any5 out of 6) (2 marks each)   **(10)**
1. Explain primary memories.
2. Explain batch operating system .
3. Explain use of ICT in agriculture.
4. Give the advantages and disadvantages of automated system.
5. Write down the classification of expert system.
6. Explain relational database, network database and hierarchical database.

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