

MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR
SEMESTER END THEORY EXAMINATION, B.Tech. Dairy Technology 2018-19

Semester : VI (New Syllabus)
Course No. : CS - 601

Academic Year : 2018-2019
Course Title : IT in Dairy
Industry

Credits : 1+1=2

Total Marks : 50

Day & Date : Friday, 21.06.2019

Time : 11.00 to 13.00 Hrs.

- Note :**
- 1) All questions from **Section 'A'** are compulsory.
 - 2) Solve **Any Five** questions from **Section 'B'**.
 - 3) Draw neat and well labeled diagram wherever necessary.

SECTION - 'A'

Q. 1 A) Choose the most appropriate answer from the options given below. (05)

i) In order to tell Excel that we are entering a formula in cell, we must begin with an operator such as

- | | |
|------|-------|
| a) = | b) @ |
| c) # | d) == |

ii) A list of instructions used by a computer is called

- | | |
|------------|-----------|
| a) Text | b) CPU |
| c) Program | d) Output |

iii) Software in computer

- | | |
|--|--|
| a) Enhances the capabilities of the hardware machine | b) Increase the speed of central processing unit |
| c) Both a) and b) | d) None of these |

iv) World Wide Web is being standard by

- | | |
|--------------------------|----------------------------|
| a) Worldwide corporation | b) W3C |
| c) World Wide Consortium | d) World Wide Web Standard |

v) A real time operating system is most likely to be used for which of the following task

- | | |
|--|---|
| a) Controlling access to a shared printer in a network | b) Ensuring that system clock works correctly on server |
| c) Managing the access to system files in a laptop computers | d) Controlling the fuel injection system of an automobile engines |

B) Elaborate the following

- i) HTTP
- ii) WWW
- iii) USB
- iv) SCADA
- v) PERT

(P.T.O.)

- Q. 2 A) Define the following. (05)
- i) Output
 - ii) Protocol
 - iii) Data communication
 - iv) Operating System
 - v) Compiler
- B) State whether True or False. If false, rewrite the statement after making necessary corrections. (05)
- i) Decimal number can be converted into binary by dividing 2 and recording the remainders.
 - ii) The most significant digit is the right most, largest weight digit in a number.
 - iii) A Compiler is a translation program that converts high level instruction into a set of binary instructions for execution.
 - iv) MICR stands for magnetic ink code reader.
 - v) A collection of related instructions organized for a common purpose is referred as data base.

SECTION – 'B'

- Q. 3 Explain the role of computer in Dairy Industry. (06)
- Q. 4 Explain the Information system in detail & differentiate between Expert Systems and Artificial Intelligence. (06)
- Q. 5 Explain the Computer Code in detail. (06)
- Q. 6.
- a) Explain CAD and CAM in Dairy Industries. (02)
 - b) Define Bit & Byte. (02)
 - c) What are Spreadsheet and Workbook? (02)
- Q. 7
- a) Differentiate between MIS and DSS. (03)
 - b) Differentiate between Automation and Robotics. (03)
- Q. 8
- a) Explain the application of operation research. (02)
 - b) Explain SCADA. (02)
 - c) Explain the concept of Simulation. (02)
- Q. 9
- a) Explain the CPM. (02)
 - b) Explain SDLC with the example of dairy plant/industry. (04)
