

**MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR**  
**SEMESTER END THEORY EXAMINATION, B.Tech. (D.T.) Degree Course 2017-18**

Semester	: VI (New Syllabus)	Academic Year	: 2017-2018
Course No.	: CS - 601	Course Title	: IT in Dairy Industry
Credits	: 1+1=2	Total Marks	: 50
Day & Date	: Monday, 11.06.2018	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) WAN stands for .....
  - a) Wap Area Network
  - b) Wide Area Network
  - c) Wide Array Net
  - d) Wireless Area Network
- ii) The system unit of a personal computer typically contains all of the following except .....
  - a) Microprocessor Card
  - b) Disk controller
  - c) Network Interface
  - d) Modem
- 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) Computer processor understands only ..... language.
  - a) English
  - b) Hindi
  - c) Binary coded machine language
  - d) All of these
- v) During World War II, the military managements in the U.K and the USA engaged a team of scientists in a plan under the name "....."
  - a) Operation Research
  - b) Research Operation
  - c) Military Operation
  - d) None of these

B) Elaborate the following. (05)

- i) DBMS
- ii) ASCII
- iii) EPROM
- iv) SCADA
- v) PERT

Q. 2 A) Give the answer in one sentence for the following. (05)

- i) Internet
- ii) Execution of program
- iii) Booting system
- iv) Operating System
- v) What is Inventory control?

(P.T.O.)

- B) State whether True or False. If false, rewrite the statement after making necessary corrections. (05)
- i) Microprocessors as switching devices are for Third generation computers.
  - ii) CPU is the brain of any computer system.
  - iii) Programs designed to perform specific tasks is known as system software.
  - iv) Magnetic disk is a primary storage device.
  - v) The difference between memory and storage is that, memory is temporary and storage is permanent.

**SECTION – 'B'**

- Q. 3 Explain the role of ICT in Dairy Industry. (06)
- Q. 4 Explain the Information system in detail & distinguish between MIS & DSS. (06)
- Q. 5 Explain the Number system in detail. (06)
- Q. 6
- a) Explain the Window Operating System (WOS). (02)
  - b) Define Bit, Byte & ASCII code. (02)
  - c) What are Cell, Spreadsheet and Workbook? (02)
- Q. 7
- a) Differentiate between Expert Systems and Artificial Intelligence. (03)
  - b) Differentiate between Automation and Robotics. (03)
- Q. 8
- a) Explain the operation research. (02)
  - b) Define PERT & CPM. (02)
  - c) Explain the concept of Simulation. (02)
- Q. 9
- a) Explain step involved in SDLC. (02)
  - b) Explain SCADA, CAD and CAM in Dairy Industries. (04)

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