Stat.2101 Agri - Informatics (1+1)

Marks: 50
Time: 2 hours

I **Fill in the blanks** (10x1=10)

1 The speed of a computer is calculated in------------

2 ------------is a machine-readable code in the form of parallel vertical lines.

3 ------------is the process of changing the appearance of text and making presentation easier to read.

4 The-------is an attribute or a set of attributes that uniquely identify each record in a relation.

5 ------------make knowledge accessible to people easily which query the system for some specific advice.

State True or False

6 Laser printer is an example for impact type of printer.

7 Virtual memory allows for very effective multiprogramming.

8 The document that has been marked as final cannot be edited.

Define the following

9 Http.

10 Virus.

II **Write Short notes on ANY FIVE of the following** (5x2=10)

1 What is an operating system? Mention its types.

2 Differentiate **Save** and **SaveAs** option.

3 What are pointing devices? List any two commonly used pointing devices.

4 Define DBMS. What are the components of database?

5 How geospatial technology is useful for generating valuable agri-information?

6 Define www. Give the structure of URL.

7 What is Decision Support System? Give example.

III **Answer ANY FIVE of the following** (5x4=20)

1 Explain the classification of computers in detail.

2 Write in detail the applications of Internet.

3 Explain the features of Good Programming languages.

4 Illustrate how data analysis is performed using MS-Excel.

5 Do the following conversions:

a $10110010111101_2 = ?_{16}$ b $8496_{10}= ?_8$ c $1247_8= ?_{16}$

d $31ADE_{16}= ?_8$ e $9132_{10}= ?_2$

6 Discuss the following:

a Agriculture Expert system b E-learning and E-Agriculture applications

7 Explain the statistical functions of MS-Excel.

IV **Write essay on ANY ONE of the following** (1x10=10)

1 Write about DOS operating system. Explain any 4 internal and external commands in detail.

2 Write in detail the applications of smart phone in farm advices, market price and Post harvest management.

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