

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

Semester : I (New)	Term : I	Academic Year : 2018-19
Course No. : 11/STAT 111	Title : Elementary Statistics and Computer	
Credits : 3(2+1)	Application	
Day & Date : Monday, 24.12.2018	Time : 09.00 to 12.00	Total Marks : 80

- Note :**
1. Solve ANY EIGHT questions from SECTION "A".
 2. All questions from SECTION "B" are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 a) Write down in detail about classification of data.
b) Define Dispersion. Write the merits and demerits of Standard deviation.
- Q.2 a) What is χ^2 test? Explain the χ^2 test for the 2x2 contingency table.
b) What is hypothesis? Explain steps involved in test of hypothesis.
- Q.3 a) What is correlation? Explain types of correlation.
b) Define Median and explain the method to compute median in case of discrete and continuous series.
- Q.4 a) Give the stepwise procedure for preparing ANOVA table in Randomized Block Design.
b) Write the properties/characteristics of normal distribution.
- Q.5 a) Define the term sample. Explain the concept of Randomized sampling and Standard error.
b) Illustrate the meaning of the following terms.
i) Simple Event ii) Compound Event
iii) Independent Event iv) Mutually exclusive event
- Q.6 a) What is regression? Write down the properties of regression coefficient.
b) What is Randomized Block Design? State advantages and disadvantages of Randomized Block Design.
- Q.7 a) What is Latin Square Design? Write the advantages of Latin Square Design.
b) What are measures of central tendency? Explain Arithmetic Mean with its properties and merits.
- Q.8 a) Draw the block diagram of basic organization of computer systems. Explain the functions of each block.
b) What are the different important features of word processing software?

(P.T.O.)

- Q.9 a) What is electronic spreadsheet? Explain the various elements of MS Excel with diagram.
b) What is MS Power point presentation? Write down the uses of MS Power point.
- Q.10 a) Write down the common applications of Internet.
b) What is machine language? Write down the advantages and disadvantages of machine language.

SECTION "B"

Q.11 Define the following terms.

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| 1) Population | 2) Statistics |
| 3) Median | 4) Null hypothesis |
| 5) Sample error | 6) Correlation |
| 7) Coefficient of Variation | 8) Mode |

Q.12 Give full form of or state the formulae of the following.

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| 1) CD-ROM | 2) Class interval |
| 3) DPI | 4) Mode |
| 5) LAN | 6) Standard deviation |
| 7) RAM | 8) Coefficient of variation |

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