

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	: I (New)	Term	: First	Academic Year	: 2022-23
Course No.	: H/STAT 111	Title	: Elementary Statistics and Computer Application		
Credits	: 3 (2+1)				
Day & Date	: Friday, 31.03.2023	Time	: 10:00 to 13:00 hrs.	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 diagram wherever necessary.

SECTION 'A'

- Q.1 a) Define statistics and state its applications and limitations.
b) What are the characteristics of ideal measures of central tendency? State the merits and demerits of arithmetic mean.
- Q.2 a) What is measure of dispersion? Explain any three measures of dispersion.
b) Define the term sample. Explain the concept of random sampling and standard error.
- Q.3 a) Discuss the strip plot design with layout.
b) Describe the ANOVA with its assumptions.
- Q.4 a) What is the classical definition of probability? Give its assumptions.
b) State the probability mass function of Binomial and Poisson distribution. Give the properties of Normal probability distribution.
- Q.5 a) Define coefficient of regression and state its properties.
b) Write the analysis of Latin Square Design (LSD).
- Q.6 a) Write the steps involved in hypothesis testing.
b) Define probability and find the probability of getting two heads, if a coin is tossed two times.
- Q.7 a) What is correlation? Explain different types of correlation.
b) Explain in brief the features of Microsoft Excel®.
- Q.8 a) Explain different parts of Windows®.
b) What is Operating System? State its functions.
- Q.9 a) Draw block diagram of computer and explain function of each parts.
b) Write use with example of following DOS commands:
i) CD ii) DEL iii) VOL iv) FORMAT
- Q.10 Write short notes on (Any Two):
a) RDBMS b) MS-Word® c) Chi-square test

(P.T.O.)

SECTION 'B'

Q.11 Define the following terms:

- | | | | |
|-------------------|-----------------------|--------------|-------------|
| 1) Type One Error | 2) Independent Events | 3) Parameter | 4) Mode |
| 5) Computer | 6) Program | 7) Census | 8) Internet |

Q.12 Fill in the blanks:

- 1) The 'Father of Statistics' is _____.
- 2) If A' is complement of event A then $P(A') =$ _____.
- 3) Conclusion drawn from sample is called as _____.
- 4) The average relationship between dependent and independent variable is known as _____.
- 5) _____ is used to store the data.
- 6) _____ program is used to create picture files.
- 7) In Windows, by default the files when deleted are sent to _____.
- 8) Today the most popular microcomputer Operating System is _____.

