

Roll No.

E-1088

M. Sc. (Home Science)
(Second Semester) (Main/ATKT)
EXAMINATION, May-June, 2021
(All Groups)

Paper Fifth

STATISTICS AND COMPUTER APPLICATION

Time : Three Hours] [Maximum Marks : 80

Note : Attempt all Sections as directed.

Section—A 1 each

(Objective/Multiple Choice Questions)

Note : Attempt all questions.

Choose the correct answer :

1. Which of the following statements is correct ?

- (a) 1 kB = 1024 bytes
- (b) 1 MB = 2048 bytes
- (c) 1 MB = 1000 kilobytes
- (d) 1 kB = 1000 bytes

2. Which of the following memories must be refreshed many times per second ?

- (a) Static RAM
- (b) Dynamic RAM
- (c) EPROM
- (d) ROM

3. ENIAC was the first general-purpose electronic computer—ENIAC stands for :

- (a) Electronic Network Interactive Analytic Computer
- (b) Electronic Numerical Integrated and Computer
- (c) Electronic Network Integrated Analytical Computer
- (d) Electronic Numerical Integrated Automatic Computer

4. Every computer connected to the internet is identified by a unique four-part string known as :

- (a) IP address
- (b) Host name
- (c) Domain name
- (d) None of the above

5. A network of computers and other devices that is confined to a relatively small space is called :

- (a) Wide Area Network
- (b) Local Area Network
- (c) Global Network
- (d) Peer-to-Peer Network

P. T. O.

[3]

E-1088

6. The brain of any computer system is :
- (a) ALU
 - (b) Memory
 - (c) CPU
 - (d) Control Unit
7. Which part interprets program instructions and initiate control operations ?
- (a) Input
 - (b) Storage Unit
 - (c) Logic Unit
 - (d) Control Unit
8. Which computer has been designed to be as compact as possible ?
- (a) Mini computer
 - (b) Super computer
 - (c) Micro computer
 - (d) Main frame computer
9. Which device of computer operation dispenses with the use of the keyboard ?
- (a) Joystick
 - (b) Light pen
 - (c) Mouse
 - (d) Touch

[4]

E-1088

10. Identify the device through which data and instructions are entered into a computer :
- (a) Software
 - (b) Output device
 - (c) Input device
 - (d) Memory
11. The printed output from a computer is called :
- (a) Copy
 - (b) Soft copy
 - (c) Hard copy
 - (d) Paper
12. Find the mode of the call received on 7 consecutive day :
- 11, 13, 13, 17, 19, 23, 25
- (a) 11
 - (b) 13
 - (c) 17
 - (d) 23
13. Find the median of the call received on 7 consecutive day :
- 11, 13, 17, 13, 23, 25, 19
- (a) 13
 - (b) 23
 - (c) 25
 - (d) 17

P. T. O.

[5]

E-1088

14. Find the arithmetic mean of the set of data :

6, 1, 5, 8 and 10.

- (a) 4
- (b) 5
- (c) 6
- (d) 7

15. What is the major attribute of correlation analysis ?

- (a) Association among variables
- (b) Difference among variables
- (c) Regression among variables
- (d) Variations among variables

16. What is the name of the conceptual framework in which the research is carried out ?

- (a) Research Hypothesis
- (b) Synopsis of Research
- (c) Research Paradigm
- (d) Research Design

17. Mean, Median and Mode are :

- (a) Measures of deviation
- (b) Ways of sampling
- (c) Measures of control tendency
- (d) None of the above

18. helps comparison of two or more variables.

- (a) Classification
- (b) Tabulation
- (c) Research
- (d) Survey

P. T. O.

[6]

E-1088

19. Data can be represented in :

- (a) One way
- (b) Two ways
- (c) Three ways
- (d) Four ways

20. A systematic arrangement of data in rows and columns is :

- (a) Table
- (b) Body
- (c) Graph
- (d) Chart

Section—B

2 each

(Very Short Answer Type Questions)

Note : Attempt all questions.

1. Explain merits of mean deviation.
2. Write types of correlation.
3. Define Tabulation.
4. Define Statistics.
5. Write any *two* characteristics of computer.
6. What is computer ?
7. Write any *four* input devices.
8. Write types of memory.

[7]

E-1088

Section—C

3 each

(Short Answer Type Questions)**Note :** Attempt all questions.

1. What is classification ? Explain.
2. Explain frequency polygon with diagram.
3. Explain formatting text and paragraph.
4. Explain memory.
5. Write merits and demerits of median.
6. Write about parametric test.
7. Explain block diagram of computer.
8. Write merits and demerits of correlation.

Section—D

5 each

(Long Answer Type Questions)**Note :** Attempt all questions.

1. Write about the computer generations.

Or

Calculate mean from the following series :

Size	Frequency
6	5
7	8
8	9
9	12
10	6
11	6
12	4

P. T. O.

[8]

E-1088

2. Write about graphic presentation of data.

Or

Draw a frequency polygon for the following data :

Age (in year)	No. of Persons
20—25	1
25—30	3
30—35	6
35—40	10
40—45	14
45—50	9
50—55	5
55—60	2

3. Write a detailed note on 'Non-parametric tests'.

Or

What do you understand by designing a page in MS-Word ?

4. What do you understand by memory ? Write in detail.

Or

Write a detailed note on types of computers.

E-1088