

Roll No.

E-538

**M. Sc. (Second Semester) (ATKT)
EXAMINATION, May-June, 2021**

ZOOLOGY

Paper Fourth

(Quantitative Biology 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 has highest access time ?

- (a) Magnetic disc
- (b) Swapping devices
- (c) Floppy disc
- (d) Cache

2. A hardware device that is capable of executing of instructions is called :

- (a) C. U.
- (b) Processor
- (c) CPU
- (d) ALU

3. Which of the following is/are the input devices ?

- (a) Keyboard
- (b) Mouse
- (c) Only (a)
- (d) Both (a) and (b)

4. Bubbles and numbering is in tab.

- (a) Home
- (b) Insert
- (c) Page layout
- (d) View

5. What is the shortcut key you can press to create a posting the copied data ?

- (a) Alt + Ctrl + C
- (b) Alt + C
- (c) Ctrl + V
- (d) Ctrl + Shift + C

P. T. O.

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6. Which of the following tools is used to reduce or cut image area ?
 - (a) Rotate tool
 - (b) Text tool
 - (c) Insert
 - (d) Crop tool
7. Which of the following tools is used to get full screen view of PPT page ?
 - (a) Slide tool
 - (b) Text show
 - (c) Picture show
 - (d) Slide show
8. Which of the following menu includes the tool to edit background in PPT ?
 - (a) Design
 - (b) Text tool
 - (c) Insert
 - (d) Edit page
9. Which of the following is correct symbol for summation in excel ?
 - (a) Σ
 - (b) T
 - (c) Ω
 - (d) π

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10. Which of the following tools is used to get arranged the names in A to Z sequence in excel ?
 - (a) Insert sequence
 - (b) Arrange tool
 - (c) Sort and Filter
 - (d) Format
11. The term 'biometry' is coined by :
 - (a) Walter Weldon
 - (b) Francis Galton
 - (c) Karl Pearson
 - (d) Fischer
12. In Biostatistics, group of individuals taken for study is called :
 - (a) Group
 - (b) Flock
 - (c) Block
 - (d) Population
13. Variable whose value can be expressed numerically is called :
 - (a) Quantitative variable
 - (b) Qualitative variable
 - (c) Absolute variable
 - (d) Continuous variable

P. T. O.

14. Height of the trees in a field is a/an
- Qualitative variable
 - Absolute variable
 - Continuous variable
 - Quantitative variable
15. If the sum of 30 values in an observation is 600, then mean of the data is :
- 20
 - 30
 - 60
 - 15
16. Chi-square test is always used to test :
- Population mean
 - Test of association
 - Test of population
 - None of the above
17. When the size of sample is increasing, then variance of sample mean is also
- Increasing
 - Decreasing
 - Not changed
 - None of the above

P. T. O.

18. Which of the following is not a measure of central tendency ?
- Mean
 - Median
 - Range
 - Mode
19. Mean is also known as
- Average
 - Median
 - Range
 - All of the above
20. Sample is regarded as subset of
- Data
 - Set
 - Distribution
 - Population

Section—B

2 each

(Very Short Answer Type Questions)

Note : Attempt all questions.

- Write the shortcut key for command 'Cut' in MS Word.
- Define 'Wrap Text' in excel.
- What do you mean by italics ?
- Name any *two* output device.
- Define data.
- Write the formula of simple arithmetic mean for ungrouped data.

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7. Write any *two* merits of random sampling.
8. What do you mean by binary number ?

Section—C

3 each

(Short Answer Type Questions)

Note : Attempt all questions.

1. Explain the auxiliary storage devices.
2. Write any *three* use of computer applications in Biostatistics.
3. Explain the 'cut', 'copy' and 'paste' options.
4. How you can change the background of a slide in PPT ?
5. Explain measures of dispersion.
6. Explain test of significance.
7. Define bar diagram.
8. Calculate the arithmetic mean of obtained marks is given below :

Roll No.	Marks Obtained
1	24
2	26
3	12
4	18
5	37
6	21
7	38
8	40
9	48
10	29

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Section—D

5 each

(Long Answer Type Questions)

Note : Attempt all questions.

1. Explain the hardware and software in detail.

Or

What do you mean by operating system ? Explain with example.

2. Give a detail account of computer application in Biostatistics.

Or

Explain the 'Home' tap in MS Word.

3. Draw a table and define the parts of table in Biostatistics.

Or

Explain the sample and sampling methods.

4. Explain Chi-square test.

Or

Explain the correlation.

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