

[4]

SECTION 'C' 4 × 10 = 40

Long Answer questions (Word limit 400-450 words.)

UNIT-I

- Q. 1.** Describe the following input devices with well labelled diagram.
 (a) Mouse (b) Joystick (c) Trackball (d) Light pen

OR

Explain Auxiliary storage system.

UNIT-II

- Q. 2.** Describe the Power Point in detail.

OR

What do you mean by virtual e-learning platform? Explain the zoom and its related application in detail.

UNIT-III

- Q. 3.** Find out the arithmetic mean from given data
- | | | | | | | | | |
|----|------|-------|-------|-------|-------|-------|-------|-------|
| X= | 1-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |
| f= | 03 | 11 | 07 | 04 | 10 | 05 | 07 | 03 |

OR

Explain hypothesis testing.

UNIT-IV

- Q. 4.** Explain the correlation under following points.
 (a) Definition
 (b) Types of correlation
 (c) Formula and significance of correlation

OR

Apply the 't' test to find out the significant difference between arithmetic means of two groups from given data, where at df 14 the tabulated value 't' is 2.14.

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[1]

ROLL NO.....

ZOO. 204/21

II SEMESTER EXAMINATION, 2021

M.Sc. (ZOOLOGY)

PAPER-IV

QUANTITATIVE BIOLOGY AND COMPUTER APPLICATION

TIME: 3 HOURS

MAX.- 80

MIN.- 16

Note: The question paper consists of three sections A, B & C. All questions are compulsory.

Section A- Attempt all multiple choice questions.

Section B- Attempt one question from each unit.

Section C- Attempt one question from each unit.

SECTION 'A' 2 × 8 = 16

MCQ (Multiple Choice Questions)

- The Alt, Ctrl, Shift, Del and insert keys are known as-
 (a) Standard keys (b) Navigation keys
 (c) Function keys (d) Special purpose keys
- The process by unwanted part of image is removed called as -
 (a) Cropping (b) Hiding
 (c) Cutting (d) Bordering
- Text-styling feature of ms word is -
 (a) Word fill (b) Word font
 (c) Word color (d) Word art

[2]

4. The binary equivalent of the decimal number 10 is -
(a) 010 (b) 1010 (c) 10 (d) 0010
5. Which is the median value in given data –
15.8, 13.3, 15.2, 13.4, 17.8, 8.1 and 18.9
(a) 15.8 (b) 15.2 (c) 13.4 (d) none of the above
6. In model series the mode is the -
(a) Mean of the series
(b) Middle most value of the series
(c) The value has the maximum frequency
(d) None of the above
7. X on Y or Y on X is used in -
(a) Regression (b) Correlation
(c) Probability (d) None of the above
8. 't' test is a -
(a) Non parametric test (b) Parametric test
(c) both a and b (d) None of the above

[3]

SECTION 'B'

4 × 6 = 24

Short Answer Type Questions (Word limit 200-250 words.)

UNIT-I

- Q. 1.** Explain the structure of Printer.

OR

Write the functions of windows.

UNIT-II

- Q. 2.** Write the uses of SPSS in brief.

OR

What do you mean by search engines? Explain Google in brief.

UNIT-III

- Q. 3.** Write the merits and demerits of arithmetic mean.

OR

What is the difference between Histogram and bar diagram.

UNIT-IV

- Q. 4.** Write the common applications of Chi-square test.

OR

What is binomial distribution in probability? Explain it with an example.