M. Sc. DEGREE (C.S.S.) EXAMINATION, NOVEMBER 2017
SEMESTER I – ZOOLOGY
**(2017 Admission Regular, 2016 Admission Supplementary/Improvement &
2015 Admission Supplementary)**
ZY1C04TM – BIOSTATISTICS, COMPUTER APPLICATION AND RESEARCH METHODOLOGY

Time: Three Hours   **Maximum Marks: 75**

PART A

I.   Answer any five questions. Each question carries 3 marks.

1. What is random sampling method?
2. Explain harmonic mean.
3. Explain life tables.
4. Briefly explain Binary Number System.
5. What are search engines?
6. Explain science and scientific temper.
7. Comment on copy right.

                                                          (5x3=15)

PART B

II.   Answer any six questions. Each question carries 5 marks.

8. Compute mean, variance and standard deviation for the given data on the body weight of Tilapia fish collected from 6 different ponds:
        Body weight in grams x: 100, 130, 170, 220, 270, 300
9. Comments on the various sampling methods
10. Find the regression of X on Y from the following data: x=24   y=44   xy=306
     x2=164   y2=574 N=4 Also, find the value of x when y=6
11. Explain Length-Weight relationship
12. Give a brief account on types and classification of memory devices
13. Comment on the different computer generations
14. Describe different computer communication network and networking protocols
15. Define hypothesis and various types of hypotheses
16. What are the different presentation techniques in research?

                                                          (6x5= 30)

PART C

III. Answer any two questions. Each question carries 15 marks.

17. Explain with suitable examples any two measures of central tendency.
18. Explain the measures of probability and theorems in probability.
19. Write an essay on Hardware and software.
20. Discuss the concept of research and different types of research. Comment on the types of research designs.

                                                          (2x15=30)