RAMANANDA COLLEGE
BISHNUPUR, BANKURA
DEPARTMENT OF PHYSIOLOGY
B. Sc. 5th Semester (Hons.) Practical Examination-2021-2022

Course Code: SH/PHY/503/DSE-1	**Corse Title: Biological Statistics Lab.**
Paper Code: 52526	**F.M: 15** **Times: 2 Hours**

Answer all the questions.

1. In a numerical operation test, the mean and SD of the scores of 16 boys were found to be 40.3 and 8.15 respectively: these values amounted to 37.5 and 6.35, respectively for 16 girls. Is there a significant difference between the means of boys and girls?   5

    Critical t scores: t $_{0.05(30)}$ =2.042; t $_{0.02(30)}$ =2.457; t $_{0.01(30)}$ =2.750

    Boys: Mean ($\overline{X_1}$) =40.3; S$_1$= 8.15   Girls: Mean ($\overline{X_2}$) =37.5; S$_2$= 6.35

2. Compute the mean, Median and SD of the following distribution of Ca^{2+} concentration scores (mg/kg of ECF) in a sample of lobster.   3+3+4=10

Class intervals:	11.6-13.0	13.1-14.5	14.6-16.0	16.1-17.5	17.6-19.0
Frequencies:	7	13	20	14	6

Instructions:

a)   First Page of the Answer script should contain Name, Semester, Subject, UID, Paper Code, Course Code/ID and Course Title. For details see below. Also a model format is circulated in your respective WhatsApp group.

b) First write the questions with part marking then write your answer.

c)   Submit answer script to **rncphysiology@gmail.com** as a single PDF file attachment within 20.01.2022 at 12 noon.

d) Write the name of the PDF file as **YOUR NAME_COURSE CODE_COURSE TITLE_JAN 2022.** Course Title and Course Code is available from question paper.

e)   The Subject of the e-mail will be the same like the name of PDF file i.e., **YOUR NAME_COURSE CODE_COURSE TITLE_JAN 2022.**

<u>Answering format</u>

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UG PRACTICAL EXAMINATION – 2021-2022

Name: _____ Semester: _____

Subject: _____UID: _____

Course ID: _____ Course Code: _____

Course Title: _____