

Date of Exam: 14.12.2020

Kishore Bharati Bhagini Nivedita College (Co-Ed.)
(Affiliated to the University of Calcutta)

2020

ZOOLOGY – GENERAL – PRACTICAL**Paper : CC-4 (Genetics & Evolutionary Biology)****Full Marks : 30****Time : 2 Hrs.***The figures in the margin indicates full marks.**Candidates are required to give their answers in their own words as far as practicable.*Send PDF of the Answer Script to kbbnczoology@gmail.com

All the questions are compulsory.

1. Test whether the following data has a significant goodness of fit with the Mendelian Test Cross ratio of 1:1:1:1 (at 5% level).

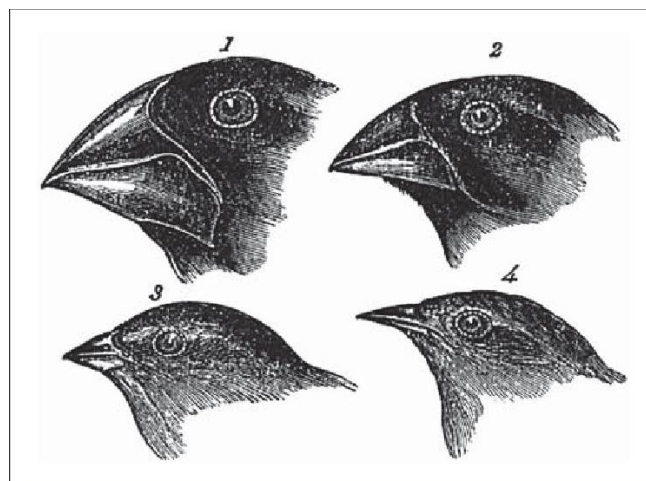
[Null Hypothesis - 2; Tabulation and Calculation - 6; Interpretation - 2]

2+6+2=10

Phenotype	Round Yellow	Round Green	Wrinkled Yellow	Wrinkled Green
Number of Plants	24	25	22	27

2. Write a short note on Darwin Finches. Identify and comment on the following specimens in the provided image.

3+7



3. Write a short note on the evolutionary trends in horse. Comment on recorded fossil history of the horse from the provided image. 3+7

