



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 5th Semester Examination, 2021

DSE-P1-PHYSIOLOGY

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

1. Attempt any **five** from the following: 1×5 = 5
 - (a) Define variable.
 - (b) What is population?
 - (c) What is one tail test?
 - (d) What is degree of freedom?
 - (e) What is null hypothesis?
 - (f) What is cumulative frequency?
 - (g) What is purposive sampling?
 - (h) What is mean deviation?
 - (i) What is standard error of the mean?
 - (j) What is biasness?

2. Attempt any **three** from the following: 5×3 = 15
 - (a) Describe different Bar diagram.
 - (b) Discuss the equations of median for ungrouped and grouped data.
 - (c) Discuss different equations of standard deviation.
 - (d) Discuss the process of Simple Random Sampling.
 - (e) Discuss Pie diagram with example and mention its merits and demerits.

3. Attempt any **two** from the following: 10×2 = 20
 - (a) Calculate mean, median and mode by grouped method having 10 samples of College Students.
 - (b) Theoretically describe the process of Student's t test.
 - (c) Briefly describe chi square test with equations, features, merits and demerits.
 - (d) Critically analyze the differences among Student's t test, chi square test and correlation.

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