

THE UNIVERSITY OF BURDWAN
B.Sc. (Hons.) Semester 6 Theory Examination (CBCS): 2021
Subject: Nutrition
Course Code: DSE - 3
Course Title: Biostatistics and Bioinformatics

Candidates are required to give the answers in their own words as far as practicable.

Answer all *questions* as instructed

Examinees are instructed to submit the scanned copies / photographs of their answer
scripts within 30 minutes after the completion of examination

1. Answer any eight questions:

5×8=40

- a) Define median and write the advantages and disadvantages of median.
- b) Discuss the aim of hypothesis testing with special reference to “null hypothesis”.
- c) Briefly describe any two methods of statistical data collection.
- d) What do you mean by hierarchical and network data base?
- e) Define a pie-chart. State its advantages in data presentation.
- f) Explain the importance of studying ‘statistics of dispersion’ although there is exist ‘statistics of location’.
- g) What do you mean by phylogenetic tree? Write the limitations of phylogenetic tree.
- h) Write a comprehensive note on ‘BLAST’ and ‘FASTA’.
- i) What is Chi-square test? Mention the difference between Chi-square test and t-test.
- j) Compute the mean and median of the following body weights (Kg) in a sample of humans: 60, 50, 56, 63, 68, 60, 60, 68, 72, 66, 68, 63, 60, 66, 75, 56, 72, 63.

THE UNIVERSITY OF BURDWAN

B.Sc. (Hons.) Semester 6 Theory Examination (CBCS): 2020

Subject: Nutrition

Course Code: DSE – 3 (OR)

Course Title: Concept of Research and Health Management

Candidates are required to give the answers in their own words as far as practicable.

Answer all *questions* as instructed

Examinees are instructed to submit the scanned copies / photographs of their answer

scripts within 30 minutes after the completion of examination

1. Answer any eight questions:

5×8=40

- a) What is experimental research? Briefly describe the five important steps of research.
- b) Give a brief description on 'National Population Policy'.
- c) Illustrate your concept on 'Seminar' and 'Conference'.
- d) "Why rural development is important"- Explain.
- e) List the differences between 'Qualitative' and 'Quantitative' research.
- f) What do you mean by random sampling? State the characteristics of good sampling.
- g) Mention the name of different health planning committee. Point out the recommendations of 'Bhore Committee'.
- h) Append a short note on Primary, Secondary and Tertiary health care system.
- i) How basic research differs from applied research? Explain.
- j) Give a brief description on 'PERT' and 'CPM'.
