PG (CBCS)
M.Sc. Semester- III Examination, 2023
NUTRITION AND DIETETICS
PAPER: NUD 302
(COMPUTER APPLICATIONS & BIOINFORMATICS AND COMMUNITY NUTRITION)

Full Marks: 40 **Time: 2 Hours**

The figures in the right-hand margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

Write the answer for each unit in separate sheet

UNIT: 28
COMPUTER APPLICATIONS & BIOINFORMATICS

GROUP-A

Answer any **TWO** of the following questions: 2×2=4

1. What is Computer? Why it is known as a data processor?
2. Differencciate between data and information?
3. Definition of 'Software' with example.
4. Comparison between micro and mini computer?

GROUP-B

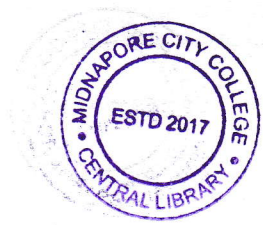Answer any **TWO** of the following questions: 2×4=8

1. What is Internet? Describe the characteristics of a Third Generation computer with example. 1+3
2. Write full form of "UNIVAC" and "ENIAC". Difference between Analog Computer and Digital Computer? 1+3
3. What is Operating System with example? Briefly discuss the application of MS Word. 2+2
4. Definition of Bioinformatics? Explain the Bioinformatics importance and scope? 2+2

GROUP-C

Answer any **ONE** of the following questions: 1×8=8

1. Draw a block diagram the basics organization of computer and explain the Storage Unit? Difference between Application Software and System Software? 5+3
2. Write the classification of Computer? Define Supercomputer and Mainframe computer with example? What is difference between low level language and high level language. 2+4+2

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UNIT: 28
COMMUNITY NUTRITION

GROUP-A

Answer any **TWO** of the following questions: 2×2=4

1. What do you mean by community health?
2. Define prepathogenesis phase of disease.
3. What is the difference between mortality and morbility?
4. What are common epidemiological indicators of water born disease?

GROUP-B

Answer any **TWO** of the following questions: 2×4=8

1. Define HDI. What are the steps adopted to estimate the HDI?
2. Describe the role of environmental factor for causation of disease.
3. Discuss about the major activities of DWCRA programme.
4. What are two thirty indicator in community health program?

GROUP-C

Answer any **ONE** of the following questions: 1×8=8

1. Write about the objectives of NIN. What are the major interventions taken under NIN? 3+5
2. What is TPDS? Who are the beneficiaries under TPDS? Write about the food grain management process in TPDS. 1+2+5

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