2022
NUTRITION
[HONOURS]
(B.Sc. Sixth SemesterEnd Examination-2022)
PAPER-CC14T

Full Marks: 40   ***Time: 02 Hrs***

The figures in the right hand margin indicate marks
Candidates are required to give their answers in their own words as
far as practicable
Illustrate the answers wherever necessary

Health Statistics and Computer

1. **Answer anyFIVE questionsof the following:**   5x2= 10

a) Define health statistics.

b) Differentiate between Bar diagram and Pie-diagram.

c) How do you interpret Mean $\pm$ 1SD and Mean $\pm$ 2SD?

d) RDA is what type of statistical measure and why?

e) Define positive and negative skewness.

f) Differentiate between Bit and Byte.

g) Relationship between hardware and software.

h) Define computer virus.

2. **Answer anyFOURquestionsof the following:**   4x5 = 20

a) Compute the mean, median and percentile twentyfive (P_{25}) of the following body weight [kg] scores :

Class intervals: 51-53 54-56 57-59 60-62 63-65 66-68 69-71

Frequencies: 5   7   14   28   15   8   3

$$1+2+2$$

b) Differentiate between Skewness and Kurtosis with computation formulae.   5

c) How do you compute variance (S^2) and standard deviation (S) for group data with suitable example? $2\frac{1}{2} + 2\frac{1}{2}$

d) Write a short note on 'Interpretor'.   5

e) Define computer memory with classifications.   5

f) What do you mean by antivirus and how it works?   5

3. Answer any ONE questions of the following: 1x10 = 10

a) Write the different assumptions of t-test. Distinguish between unpaired and paired t-test.

How do you compute 't' value from the following pair scores of haemoglobin percentage (gm%) of 9 adolescent girls before and after iron tablet supplementation?

Hb% before Fe^+ Supple: 08, 07, 09, 10, 09, 08, 11, 10, 12,

Hb% after Fe^+ Supple: 11, 10, 12, 13, 12, 10, 13, 11, 15.

$$3+2+5$$

b) Discuss about data processing. Write the applications and functions of pubmed, e-mail, LinkedIn and Google drive.   4+6