

M.Sc.

2013

2nd Semester Examination

CLINICAL NUTRITION & DIETETICS

PAPER—CND-201

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.

Illustrate the answers wherever necessary.

Answer Q. No. 1 and any three of the following.

1. Answer any ten questions : 1×10
- (i) What is RAM ?
 - (ii) Give an example of higher level language in computer.
 - (iii) State two applications of SPSS software.
 - (iv) Name two output devices in computer.
 - (v) What is computer virus ?
 - (vi) How will you put picture in MS-WORD document ?
 - (vii) Define Null hypothesis.

(Turn Over)

- (viii) State the importance of degree of freedom in statistics.
- (ix) What do you mean by parameter in statistics ?
- (x) What do you mean by non-parametric statistics ?
- (xi) Name a computer software used for food analysis.
- (xii) What do you mean by 'megabyte' ?
- (xiii) What do you mean by positive co-rrrelation ?
- (xiv) What do you mean by two-tail 't' test.
- (xv) State the advantage of using frequency polygon to represent the statistical data.
2. (a) When do you perform one tail 't' test ?
- (b) The mean Haemoglobin concentrations of 10 men and 10 women are 151.0 and 134.0 g per 100 ml of blood. Is the haemoglobin concentration significantly higher in men than in women ? ($t_{0.001(18)} = 3.61$) 3+7
3. (a) What do you mean by ANOVA ?
- (b) State assumptions of ANOVA.
- (c) Write an application of one-way ANOVA with suitable example. 2+3+5

4. (a) What do you mean by correlation of variable?
 (b) Compute correlation co-efficient between the height and weight of 10 male students of a University. Heights and Weights are given below : 2+8

	1	2	3	4	5
Weight (Kg)	58.4	60.0	52.0	48.5	49.5
Height (Cm)	165.0	182.0	170.0	161.0	160.0
	6	7	8	9	10
Weight (Kg)	59.0	58.0	56.5	49.5	59.0
Height (Cm)	165.0	165.0	171.0	170.0	166.0

5. Describe briefly the components of CPU with their functions. 10
6. Describe in brief the steps to draw a Pie diagram with the help of MS-EXCEL. 10