

2012

M.Sc.

1st Semester Examination

NUTRITION & DIETETICS

PAPER—NUD-104

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.

Module—I

(Research Methodology and Computer Applications)

[Marks—20]

1. Answer any *five* questions of the following : 1×5
- (a) What do you mean by et.al ?
 - (b) What do you mean by cost effective method ?
 - (c) Write any two major features for minimizing the cost of food product ?
 - (d) What is the full form of GDP ?
 - (e) What is PARAM ?

(Turn Over)

- (f) Write the full form of html.
- (g) What is sigma plotter ?
- (h) What do you mean by 'Binary number' ?

2. (a) Describe recurring and nonrecurring expenditure of a project with example.
- (b) Mention the fundamental steps of operational research in the field of Nutritional Science.
- (c) Write the few name of scientific project funding agencies. 3+3+2

Or

- (a) What do you mean by CPM ?
- (b) Give an example how would you cite a references.
- (c) What do you mean by Citation index and impact factor of a journal ? 3+3+2

3. (a) What is the use of Adobe-photoshop ?
- (b) What are the functions of RAM and ROM ?
- (c) What do you mean by high level language ?

$2\frac{1}{2}+2+2\frac{1}{2}$

Or

Write Short Notes on :

- (a) Write some examples of peripheral devices of computer.
- (b) How does a laser printer work ?
- (c) What is the use of blue tooth ?

$2\frac{1}{2}+2+2\frac{1}{2}$

Module—II
(Biostatistics)
[Marks—20]

4. Answer any five questions of the following : 1×5
- (a) What is mode ?
 - (b) What is null hypothesis ?
 - (c) Which type of equation is applicable for normal distribution ?
 - (d) Student 't' distribution is :
(i) mesokurtic (ii) leptokurtic (iii) platykurtic
which are is right ?
 - (e) What is central tendency ?
 - (f) The algebra sum of deviations of all the scores of a sample from its mean amount to which of the following :
(i) (+) integer (ii) (-) integer (iii) zero
 - (g) What do you mean by finite population ?
 - (h) What is F1 ratio in two-way anova ?
5. (a) Draw a pie diagram for the following frequency distribution of blood group in sample by \varnothing° .
- | | | | | | |
|----------------|-----|-----|-----|----|-------|
| Blood groups : | O | A | B | AB | Total |
| | 260 | 170 | 340 | 40 | 810 |
- (b) Differentiate between continuous and discontinuous variables. 5+3

Or

- (a) What do you mean by linear or non-linear correlation?
- (b) What is central tendency?
- (c) Haemoglobin levels of 10 consecutive measurements are 12, 13, 10, 11, 12, 13, 15, 12, 10, 11. Calculate the CV. 2+1+5

6. (a) State the assumptions to make chi-square test justifiable.
- (b) What is the significance of normal distribution curve?
- (c) What do you know by Skeweness? 2+3+2

Or

- (a) Summation of Systolic BP of 10 officers is 128.5 mm of Hg, of 10 clerks is 1200 mm of Hg, of the 10 Lab Technicians is 1206 mm of Hg and of 10 attendants 1196 mm of Hg. Determine if there is a significance difference in mean blood pressure of 4 groups in order to assess the role of occupation in causation of BP.
- F value for 3, 36 5% level of significance is 2.86.

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