2016

M.Sc.

Part–II Examination

DIETETICS AND COMMUNITY NUTRITION MANAGEMENT

PAPER—VIII (Unit–16)

Full Marks : 50

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 *Question No. 1* and any *four* from the rest.

1. Answer any *five* of the following : 5×2

(a) What is nutrient database ?

(b) Write recovery cycle of disaster management.

(c) What are the ecological factors of malnutrition ?

(d) What is MICR ?

(e) What is Opcode ?

(f) What is logical expression ?

(g) What do you mean by level of significance ?

(h) What is frequency polygon ?

2. (a) Why dry packed food distribution is not continued for long run in post-disaster period ?

(b) Write the advantages of common kitchen concept at first part of reconstruction period.

(c) Write the assessment process of nutritional status of draught affected population. 3+3+4

3. (a) What is food related vulnerability ? Name different vulnerable groups.

(b) Discuss different approaches for mapping food related vulnerability. (2+2)+6

4. (a) What do you understand by t-test for paired observation ?

(b) The fitness scores of the 10 students before and after training are given below. Apply difference method to find whether there is significant difference between the scores before and after training.

(i)	Before Training :	70	72	90	88	65	75	80	84	66
(ii)	After Training :	110	90	115	95	84	76	70	80	90

[given : $t_{0.05(q)} = 2.262$ $t_{0.01(q)} = 4.781$] 3+7

5. (a) What do you understand by positive and negative correlation ? Give examples.

(b) What is simple linear correlation ? Write the assumptions of product moment correlation.

(c) Write the formula for computing correlation coefficent using raw scores. 4+(1+3)+2

6. (a) What do you mean by primary and secondary memory of a computer ?

(b) What is operating system ? Give example. State the functions of operating system.

(c) What are the difference between RAM and ROM ?

(d) What is ink-jet printer ? 2+(2+2)+2+2

7. (a) Explain numeric and string variables with example.

(b) What do you mean by low level and high level computer languages.

(c) Compare between source program and object program.

(d) State the functic of REM statement in BASIC programming. 4+2+2+2

8. Explain the term in context of frequency distribution with example : 2×5

(a) class interval ; (b) cumulative frequency distribution ; (c) class boundary ; (d) frequency density ; (e) tally marks.

9. Write brief notes on the following : $4 \times 2\frac{1}{2}$

(a) ALU ;

(b) Hard Disk ;

(c) Group distribution ;

(d) Conjoint disaster.
