2017

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 do you mean by ecological factor of mulnutrition ?

   (b) How do you communicate nutritional information during disaster ?

   (c) What is the importance of calculating median ?

(Turn Over)

(d) What do you mean by degrees of freedom ?

(e) What do you understand by zero correlation ?

(f) What is Assembly Language ?

(g) What is operating system of a computer ?

(h) What is DRAM ?

2. (a) What are the activities considered in the steps of mitigation as per NDA 2005 ?

(b) Why children and geriatric persons are most vulnerable in disaster period ?

(c) Write three indicators of decreased vulnerability.

3+4+3

3. (a) State the target type food supplementation in the flood affected areas.

(b) What is relief centricity ? How is it different from disaster management ?

(c) Discuss the community nutrition management in the rescue phase of nutritional emergency.   3+4+3

4. (a) State the function of different components of CPU.

(b) What are the differences between hardware and software ?

(c) What is video display unit ?

(d) What do you undersatnd by PROM and EPROM ?

4+2+1+3

5. (a) What is BASIC programming ?

(b) Explain logical and arithmatic functions in BASIC.

(c) Write a computer program to find the mean protein intake of 10 children.   1+4+5

6. (a) What do you mean by utility program and application program ?

(b) State the difference between compiler and interpreter ?

(c) Explain IF-THEN statement with an example.

(d) What is meant by super computer and micro computer   3+2+3+2

7. (a) What is Chi-Square test ? Mention the assumptions of this test.

(b) Write the steps for computation of Chi-Square in connection to 'goodness of fit' testing.

(c) How is computed Chi-Square evaluated for its signifcance ?   (1+3)+4+2

8. (a) What is Histogram ? Write the steps of presenting histogram of grouped data.

(b) How histogram is different from column diagram ?

(c) How do you represent smoothed frequency polygon ?

$(1+4)+3+2$

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

(a) Nutritional rehabilitation ;

(b) One tail test ;

(c) Laser Printer ;

(d) Type-II error of inference.

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