

2018

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 Q. No. 1 and any four from the rest.

1. Answer any five questions : 5×2

(a) What is nutrient database ?

(b) What is Machine Language ?

(c) What is conjoint disaster ?

(d) What is hard disk ?

(Turn Over)

- (e) What is mitigation ?
- (f) What is cooked ration system ?
- (g) What is degrees of freedom ?
- (h) What is Yeat's correction ?
2. (a) What is meant by nutritional surveillance ?
- (b) Write on the assessment process of nutritional status of a drought affected population.
- (c) Classify disasters into broad categories. 3+4+3
3. (a) What is food related vulnerability ?
- (b) Discuss different approaches of mapping of food related vulnerability.
- (c) Write briefly on any two indicators of decreasing vulnerability. 2+4+4
4. (a) What is operating system ? Give example. State the functions of operating system.
- (b) State difference between RAM and ROM.
- (c) Give an account of input devices of a computer. (2+3)+2+3

5. (a) Explain numeric and string variables of BASIC with examples.
- (b) Write a computer program in BASIC to find out BMI from height and weight of 10 persons.
- (c) What is logical expression ? 4+4+2
6. (a) What do you mean by positive, negative and zero correlation ?
- (b) Compute the correlation coefficient of body weight (kg) and fat percentage of 10 persons as given below :
- | | | | | | | | | | | | |
|---------|---|----|----|----|----|----|----|----|----|----|----|
| No. | : | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Weight: | | 60 | 65 | 50 | 55 | 55 | 60 | 70 | 45 | 50 | 40 |
| Fat % : | | 30 | 35 | 20 | 25 | 30 | 22 | 35 | 18 | 25 | 15 |
7. (a) What do you understand by qualitative and quantitative frequency distribution.
- (b) Show the frequency distribution of the following BMI values of a sample of 20 human subjects taking strength of class interval of 4 :
- | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 21 | 16 | 12 | 24 | 20 | 27 | 27 | 30 | 15 | 25 | 25 | 30 |
| 28 | 23 | 31 | 24 | 16 | 20 | 25 | 19 | | | | |
- (c) What is multiple bar diagram ? 3+5+2

8. (a) Explain one tail and two tail tests.
- (b) What do you mean by Type I and Type II errors of inference.
- (c) Write on the assumptions of 't' test. 4+3+3
9. Write brief notes on the following : 5×2
- (a) ALU,
- (b) Culture and food intake,
- (c) Software package,
- (d) Z-score,
- (e) Cumulative frequency.
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