

2017

M.Sc.

1st Semester Examination

CLINICAL NUTRITION & DIETETICS

PAPER—CND-103

Subject Code—25

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 Question No 1 and any three of the following.

1. Answer any ten of the following : 1×10

(i) In a hospital, dietitian formulate therapeutic diet chart of the patient which is the example of —

(a) Basic research ; (b) Applied research ;

(c) Action research ; (d) Historical research.

(Turn Over)

- (ii) Scientific assumption about cause and effect of variables known as -
- (a) Law ; (b) Theory ;
(c) Hypothesis ; (d) Principle.
- (iii) How many major sections are there in report writing as per standard format ?
- (a) 2 (b) 3 (c) 4 (d) 5.
- (iv) For the formulation reference value at national level, the sampling technique which is adopted known as -
- (a) Random sampling ;
(b) Systematic sampling ;
(c) Two stage sampling ;
(d) Multi stage sampling.
- (v) For the inheritance of specific trait, the design of study which is adopted known as -
- (a) Longitudinal / Vertical study ;
(b) Cross sectional study ;

(c) correlational study ;

(d) Experimental study.

(vi) 'One of the regulators of blood cholesterol is dietary cholesterol'— here, blood cholesterol is a —

(a) Independent Variable ;

(b) Dependent Variable ;

(c) Random Variable ;

(d) All of these.

(vii) "One researcher is designing several varieties of therapeutic diet by modulation of dose, duration frequency of DHA for the reactivation of atherosclerosis in a hospital". This is the example of —

(a) Action research ;

(b) Applied research ;

(c) Basic research ;

(d) Qualitative research.

(viii) Awareness level assessment about "Fast food" in a community is a —

(a) Random Variable ;

- (b) Non parametric Variable ;
 - (c) Parametric Variable ;
 - (d) Probability Variable.
- (ix) What would be the probability of an event 'G' if G denotes its complement, according to the axioms of probability ?
- (a) $P(G) = 1 / P(G)$;
 - (b) $P(G) = 1 - P(G)$;
 - (c) $P(G) = 1 + P(G)$;
 - (d) $P(G) = 1 * P(G)$.
- (x) What is not true about H_0 ?
- (a) There is no basic difference between control group and experimental group on the basis of a particular variable.
 - (b) The level of variable in experimental group is more than control group.
 - (c) The level of variable in experimental group is less than control group.
 - (d) Both (b) and (c)

(xi) For smooth running the project and to minimize the *wastage*, the step(s) adopted —

- (a) Only monitoring.
- (b) Only evaluation.
- (c) Both monitoring and evaluation.
- (d) Financial audit.

(xii) What is the purpose of the conclusion in a research report?

- (a) It just a summary what the article already said.
- (b) It summarizes the key findings in relation to the research questions.
- (c) It contains a useful review of the relevant literature.
- (d) It outlines the methodological procedures that were employed.

(xiii) Which one is odd with respect to basic research design?

- (a) To find out the role of Ca^{++} in apoptosis process.

- (b) To search out the mechanism of action of catechin on oxidative stress management.
 - (c) To enlighten the mode of action of folic acid on erythropoiesis.
 - (d) To prescribe medicine by a doctor on the basis of pathological report and clinical symptoms.
- (xiv) Literature review of a particular project is a part of —
- (a) Qualitative research ;
 - (b) Quantitative research ;
 - (c) Historical research ;
 - (d) Social research.
- (xv) Injection of insulin results in diminution in blood sugar level which is the example of —
- (a) Positive Co-relation study ;
 - (b) Negative Co-relation study ;
 - (c) Zero Co-relation study ;
 - (d) Any one of the above.

2. (a) Write the features of applied research.
- (b) "There is a close nexus among basic, applied and action research"— Justify the statement citing example.
- (c) Write the features of non-parametric data. 2+6+2
3. (a) Write the general rule of report writing as per standard rule.
- (b) Describe the different section of report writing as per standard protocol.
- (c) Write the rule of bibliography presentation with an example. 3+5+2
4. (a) Define monitoring and evaluation of a project.
- (b) State the objectives of monitoring and evaluation.
- (c) Write in brief about different types of evaluation of a project. 3+4+3
5. (a) Compare contrast between Longitudinal Study and Cross Sectional Study citing examples of each type.

(b) Evaluate the importance of "Correlation study" in the context of "research designing". 7+3

6. (a) What do you mean by research ethics ?

(b) State the importance of ethics in research.

(c) Write in brief on 'Group Discussion'. 2+4+4
