

**2015**

**M.Sc.**

**1st Semester Examination**

**CLINICAL NUTRITION AND DIETETICS**

**PAPER—CND-103**

*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.*

*Answer Q.No. 1 and any three of the following.*

- 1. Answer any ten of the following :** 1×10
- (a) Insulin injection decrease the blood glucose level. The co-relation between these variable is
- (i) Zero co-relation
  - (ii) Negative co-relation
  - (iii) Positive co-relation
  - (iv) Linear co-relation

*(Turn Over)*

- (b) Data collection from different health institutes about occurrence of diarrhoea in a block area for last five years. It is a study of
- (i) Prospective
  - (ii) Case control
  - (iii) Retrospective
  - (iv) Experimental
- (c) To minimize the biasness of data collection from the community, the survey technique which is followed generally known as
- (i) Cross sectional survey
  - (ii) Longitudinal survey
  - (iii) Random sampling survey
  - (iv) Stratified sampling survey
- (d) For data collection from heterogenous community, the method which is adopted is
- (i) Stratification followed by random sampling
  - (ii) Random sampling followed by stratification
  - (iii) Clustering of the sample
  - (iv) Stratification and clustering
- (e) The mean value of 'A' group is significantly greater than 'B' group at the level of p value of 0.01 but not significant at the level of p value of 0.001. It is written as
- (i)  $0.001 > p > 0.01$

- (ii)  $0.001 < p < 0.01$
  - (iii)  $0.01 < p < 0.001$
  - (iv)  $0.01 \leq p \leq 0.001$
- (f) To study the inheritance of a particular trait, the survey which is conducted known as
- (i) Cross sectional survey
  - (ii) Longitudinal survey
  - (iii) Stratified survey
  - (iv) Clustering survey
- (g) Budget of a research project used for purchasing the instruments known as
- (i) Recurring budget
  - (ii) Non recurring budget
  - (iii) Overhead budget
  - (iv) Man power budget
- (h) Progress of the project assessment at very short interval known as
- (i) Monitoring
  - (ii) Evaluation
  - (iii) Reviewing
  - (iv) Editing
- (i) Pilot Project means
- (i) Mega form of the original project
  - (ii) Review of the original project

- (iii) Miniature form of the original project
- (iv) Editing of the original project
- (j) Justification of research proposal depends on
  - (i) Quality of the proposal
  - (ii) Applied value of the proposal
  - (iii) Fundamental knowledge development of the proposal
  - (iv) Design of the proposal
- (k) Nutraceutical screening of food item is a type of
  - (i) Qualitative research
  - (ii) Quantitative research
  - (iii) Prospective research
  - (iv) Retrospective research
- (l) For a message development for the community from a research, the steps followed are
  - (i) Information, data, intelligence
  - (ii) Intelligence, information, data
  - (iii) Data, information, intelligence
  - (iv) Data, intelligence, information
- (m) IEC stands for
  - (i) Internal Evaluation Committee
  - (ii) Institutional Ethic Committee
  - (iii) Internal Ethic Committee
  - (iv) Institutional Evaluation Committee

4. (a) What are the major domains those are covered in human ethical part of a research proposal?
- (b) "Animal ethical clearance is an important component of research proposal"—explain the statement mentioning the areas which are covered in this part. 5+5
5. (a) State the fundamental differences between qualitative research and quantitative research.
- (b) Explain the importances of mid-term evaluation of a project proposal.
- (c) "Time budgeting is an important criteria of a good research proposal"—Justify critically. 4+3+3
6. (a) Define hypothesis.
- (b) State in brief about  $H_0$  and  $H_a$ .
- (c) What do you mean by significant observation on the basis of p value? 3+4+3
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- (n) For conclusion of the project proposal, important event is
- (i) Data collection
  - (ii) Data presentation
  - (iii) Data analysis
  - (iv) Data screening
- (o) IF and CI stands for
- (i) Internal fact and Correction index
  - (ii) Important factor and Citation index
  - (iii) Impact factor and Citation index
  - (iv) Impact factor of the journal and Citation index of the paper
2. (a) Write in brief about basic and applied research.
- (b) What do you mean by action research?
- (c) State the importances of longitudinal and cross-sectional survey. 5+2+3
3. (a) State the importance of 'Literature Review' in project formulation.
- (b) "Methodology is an important part of a good Project Proposal"—Justify the statement.
- (c) What are the indicators of a good research publication. 4+3+3