

2013

M.Sc.

3rd Semester Examination

**CLINICAL NUTRITION & DIETETICS, NUTRITIONAL
GEMONICS, PROTEONICS & METABOLOMICS**

PAPER—CND-302

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

- 1. Answer any ten questions of the following: 1×10**
- (a) What do you mean by Phamaco Kinetics?
 - (b) Define menu.
 - (c) What do you mean by biotransformation of drug?
 - (d) What type of plasma protein is mainly responsible for drug transportation?

(Turn Over)

- (e) What do you mean by cross contamination ?
 - (f) Write the names of any two microbes responsible for food contamination.
 - (g) What do you mean by management in food preparation ?
 - (h) What do you mean by pharmacogenomics ?
 - (i) What do you mean by drug clearance ?
 - (j) Write the names of any two factors affecting menu planning.
 - (k) Define nutraceuticals.
 - (l) What do you mean by fractionalation of plant extract ?
 - (m) Define marketing.
 - (n) What do you mean by waiter type of food service ?
 - (o) What do you mean by Column separation of biomolecule ?
2. (a) Write the major strategies by which drug-nutrient interactions are noted.
- (b) How drug metabolism is influenced by nutrients ?

6+4

3. (a) "Drug bio-availability is modulated of the stage of absorption" — Justify the statement from drug-nutrient interaction.
- (b) "Renal clearance of drug is also influenced by nutrients" — Explain the statement critically. 5+5
4. (a) What do you mean by purchasing storage ?
- (b) Describe the procedure of purchasing storage.
- (c) Write the advantages of purchasing storage system. 2+4+4
5. (a) Describe critically the self and non-self type of food service.
- (b) Write the process of production management from the viewpoint menu preparation. 5+5
6. (a) What is HACCP ?
- (b) Discuss the seven principles of HACCP.
- (c) What do you mean by standard purchase specification. 2+5+3
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