

**2018**

**M.Sc.**

**4th Semester Examination**

**CLINICAL NUTRITION & DIETETICS**

**PAPER—CND-404**

**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 from the rest.*

1. Answer any five questions : 5×2
- (a) Write the formula for energy calculation required for a burned patient on the basis of percentage of burned BSA.
- (b) What do you mean by trauma ?

*(Turn Over)*

- (c) Write the cause of inborn error of metabolism.
- (d) What do you mean by phenex?
- (e) Write any one cause of galactosemia.
- (f) What is p24?
- (g) What is meant by GAG gene?
- (h) Which body fluids have HIV virus?
2. (a) Discuss IEM on the basis of one gene one polypeptide hypothesis.
- (b) Write the guideline for the formulation of therapeutic diet of the patient suffering from galactosamia.
- (c) What do you mean by Enfamil? 3+5+2

3. (a) State the guideline for the formulation of therapeutic diet with special reference to protein and Vitamin A of burned patient.
- (b) Why extra energy is needed for the burned patient ?
- (c) What steps will you adopt for inclusion of fat in diet of that patient ? 5+2+3
4. (a) Write the clinical features and treatment of Parkinson's disease.
- (b) Discuss the dietary management of Alzheimer disease. (3+3)+4
5. (a) How does HIV virus anchored with host cell membrane and also discuss the destruction of  $CD_4^+$  cells by such virus ?
- (b) Discuss briefly the nutritional guidelines for prevention of severity of HIV patients. 6+4

6. (a) What are the principles adopted for therapeutic diet formulation of galactosemic patient?
- (b) State the pathophysiology of phenylketonuria. 4+6
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**PAPER—CND-405**

**Subject Code—25**

**(Practical)**

*Full Marks : 50*

*Time : 4 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 all questions.**

1. Prepare diet chart on the basis of supplied data in the lottery card drawn by you [Respiratory disease / Tuberculosis / Kidney stone/ ]. 15
2. Prepare diet chart as per lottery card drawn by you [Phenylketonuria / Burn / Trauma]. 15
3. Laboratory Note Book. 10
4. Viva-Voce. 10