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C/19/MSc/4/SEM/CND-404/10

2019

MSc

4th Semester Examination

CLINICAL NUTRITION & DIETETICS

PAPER – CND-404

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.

(Turn Over)

Answer question No **1** and **THREE** from the rest.

1. Answer any **FIVE** questions. 5x2=10
- a) Write the cause of classical phenylketonuria ?
 - b) Write the full forms of SIRS and MODS .
 - c) Classify burn on the basis of damage of the integument.
 - d) What do you mean by 'Ebb Phase' due to sepsis ?
 - e) Write any four symptoms of galactosemia.
 - f) Name the major components of HIV virus cell wall .
 - g) What is Huntington's chorea disease ?
 - h) Write any two causes of 'Alzheimer disease' .
2. a) Write the name of any two diagnostic test of phenylketonuria .
- b) State the fundamental steps for therapeutic diet preparation of Phenylketonuria child with body wt 7.7 Kg, age of 6 month, general health is good and very active in nature . 2+8=10

3. a) Compute the energy require / day of a burn patient with body wt 50 Kg and 30% of TBSA has been burned.
- b) Write the amount of protein inclusion in therapeutic diet of the said burned patient and give justification.
- c) State the types of formulated foods and routes of parenteral feeding adopted for nutritional care of the burned patient on the basis of Cardiac and renal conditions. $2+4+4=10$
4. a) Describe in brief the pre-operative nutritional care to be adopted if following conditions are noted —
(i) Moderately malnourished patient
(ii) Surgery at jejunum would be performed
(iii) Conditions of heart & kidney are standard.
- b) Write the phases of post operative care of the said patient within hospital.
- c) Write the roles of vit - C and vit - A in therapeutic diet of burn patient. $4+4+2=10$
5. Write the causes, symptoms and dietary management of 'Parkinson's disease'. $(3+3)+4=10$
6. How does an individual infect by HIV virus ?
How does it attack and destroy the lymphocyte ?
Give an outline of dietary strategies adopted in a patient suffering in AIDS. $2+3+5=10$