

2017

M.Sc.

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.

Answer Question No 1 and any three of the following.

1. Answer any *five* of the following : 2×5

- (a) Write the name of protein deposited in brain in Alzheimer's disease.
- (b) What is dementia?
- (c) What is tangle?

(Turn Over)

- (d) Which part of the brain is affected by Alzheimer's disease ?
- (e) What do you mean by chorea ?
- (f) Write the name of any two medicines for the treatment of Huntington's Chorea disease.
- (g) What is plaque ?
- (h) Which neurotransmitter is affected in Alzheimer's disease ?
- (i) Write the location of the gene which is affected in phenylketonuria ?
- (j) What is the energy calculation formula on the basis of burn area of the patient ?
- (k) What is the major two causes of sepsis ?
- (l) Write the major cause of galactosomia.
- (m) Write the name of one RNA virus.
- (n) What is reverse transcriptase ?
- (o) What is antiretroviral therapy ?

2. (a) What are the causes of Alzheimer's disease ?
- (b) Write different sign and symptoms of Parkinson's disease.
- (c) State the dietary management of Parkinson's disease.
- (d) What is Levodopa ? 2+3+3+2
3. (a) What is Huntington's disease ?
- (b) What are the causes of Huntington's disease ?
- (c) Write the pathophysiological symptoms of Huntington's disease ?
- (d) State the nutritional needs in later stage of Huntington's disease. 1+2+3+4
4. (a) Write the critical care should be taken for the burn patient.
- (b) State energy calculation of the burn patient (Burned surface area 20% of total body surface).
- (c) Describe the strategy adopted for the dietary management of burn patient admitted in hospital. 2+2+6

5. (a) Why Phenylalanine is included in limited dose in diet of Phenylketonuria patient ?
- (b) Describe the steps adopted for dietary management of Phenylketonuria patient.
- (c) What is the diagnostic test adopted for screening of Phenylketonuria in infant ? 2+6+2
6. (a) Discuss the epidemiological basis of HIV infection.
- (b) Describe the pathophysiological aspects of HIV infection with diagram.

4+6