

2013

M.Sc.

3rd Semester Examination

CLINICAL NUTRITION & DIETETICS

PAPER—CND-303

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 of from the rest.

1. Answer any ten questions of the following: 1×10
- (a) Write any one difference between glycation and glycosylation.
 - (b) What do you mean by long acting insulin?
 - (c) What is cyclin?
 - (d) What do you mean by non-nutritional anaemia?

(Turn Over)

- (e) Write the full form of TLC diet.
 - (f) Write the name of any one proto oncogene and anticand gene.
 - (g) Define allergen.
 - (h) Write the names of any two side effects generally noted during insulin therapy.
 - (i) Write the names of any two growth factors for atherosclerosis.
 - (j) Why diastolic hypertension is more severe than systolic hypertension?
 - (k) What do you mean by spastic constipation?
 - (l) What do you mean by insulin resistance?
 - (m) Why constipation is more common in pregnant mother?
 - (n) What do you mean by saroma?
 - (o) Why allergy is more common in older persons than younger?
2. (a) "GLUT-4 Gene expression is not the only management of diabetes" — justify the statement from the viewpoint of mechanism of action of GLUT-4.

- (b) Write the different types of Glucose transporter along with their distribution pattern.
- (c) Write the principle of time of different types of insulin injection and food supply to the diabetic patient.
4+3+3
3. (a) Write the role of P₅₃ gene on the regulation of cell cycle from the the view point of cancer management,
- (b) "Lycopene is anticancerous bioactive molecule" — justify the statement with its mechanism for its inclusion in daily diet.
- (c) State the energy requirement of cancer patient in connection with Cachexia from the view point of dietary management.
3+4+3
4. (a) "Stress imposition is one of the important factor of the induction of constipation" — explain the statement.
- (b) Explain the health friendly food style for the management of constipation with special reference to dietary fiber.
- (c) "Work style modification is one of the ways of constipation management" — justify the statement.
3+4+3

5. (a) "LDL is known as starter of atherosclerosis" — Justify the statement from the view point of different steps engaged in atherosclerosis.
- (b) State the nature of Carbohydrate consumption for the management of atherosclerosis patient.
- (c) Explain the role of unsaturated fatty acid for the prevention of atherosclerosis. 4+3+3
6. (a) Write the mechanism of food allergy from the view point of immunological reaction.
- (b) State the dietary management of allergy.
- (c) "Involvement of food item on allergy induction can be detected by specific food consumption pattern" — Justify the statement.

2+5+3