

**2012**

**M.Sc.**

**3rd Semester Examination**

**NUTRITION & DIETETICS**

**PAPER—NUD-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.*

**Module—I**

**(Marks : 20)**

1. Answer any five questions of the following : 1×5
- (a) What is DASH diet?
  - (b) Write the full form of EDGF and PAF.
  - (c) What do you mean by short acting insulin?
  - (d) What do you mean by Symmetrical Juvenile rheumatoid arthritis?
  - (e) What do you mean by tophi?
  - (f) Write the Dietetic principle of Gouty patients.

- (g) What do you mean by Gthorma ?
- (h) What do you mean by GDM ?
2. (a) State principle of diet supply to diabetic patient on the basis of type of insulin injected to the patient.
- (b) "Single type of neutraceutical is not sufficient for the prevention of atherosclerosis but combination of neutraceutical is more effective in this concern." Justify the statement from the view point of function of neutraceutical. 4+4

Or

- (a) Write the role of PUFA for the prevention of atherosclerosis.
- (b) Briefly describe the clinical features of atherosclerosis.
- (c) What do you mean by 'Functional Foods'? 3+3+2
3. (a) "LDL-C is the main culprit for atheroma formation". Justify the statement form the viewpoint of different stages of plug formation in blood vessel.
- (b) Classify the foods items on the basis of the level of purine for the selection of dietary item for Gout patient. 4+3

Or

- (a) Write the different causes of Gout.
- (b) Write briefly the pathophysiology of Gout.
- (c) Write in detail the dietary management for Gout. 2+2+3

**Module—II**  
**(Marks : 20)**

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

- (a) Write the full name of GVHD and HSCT.
- (b) What do you mean by antiapoptotic gene?
- (c) What is Galactosemia?
- (d) What is aplastic anaemia?
- (e) What do you mean by hemochromatosis?
- (f) What is elimination diet?
- (g) What do you mean by inhalation allergy?
- (h) Write the full form of RIST and RAST.

5. (a) Write the role of cyclin and CDK for Cancer.
- (b) Describe the main causes of Cancer.
- (c) "Combination of antioxidant is more effective than single antioxidant for prevention of Cancer."  
— Justify the statement.

Or

- (a) What is the genetical basis of inborn error of metabolism?
- (b) What is classical PKU?
- (c) State the importance for inclusion of small amount of phenyl alanine in the diet of PKU pateient.
- (d) State the fundamental principle of dietary management of PKU. 3+1+2+2

6. (a) What do you mean by macrocytic anaemia?
- (b) State the role of protein, iron, vitamin C pyridoxine for the prevention of hypochromic anaemia.
- (c) Why first class protein is included in diet for the management of PEM? 1+4+2

Or

- (a) Discuss how different types of food allergen develops immediate and delayed type of hypersensitivity reaction.
- (b) How do you nutritionally manage food related hypersensitivity?

$(2\frac{1}{2}+2\frac{1}{2})+2$