

2016

M.Sc.

2nd Semester Examination

CLINICAL NUTRITION & DIETETICS

PAPER—CND-202

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 : 5×2**
- (a) Write the full form of BT.**
 - (b) Give two examples of MUFA.**
 - (c) What is meant by bioavailability?**
 - (d) Write the full name of the Father of Biotechnology.**

(Turn Over)

- (e) Write the name of two soluble dietary fibres.
 - (f) Write the name of nutraceuticals found in carrot.
 - (g) State the names of two tannin rich beverages.
 - (h) What are polyols ?
2. (a) 'Lycopene of tomato serves good neutraceutical' –
Justify the statement.
- (b) Describe the role of different types of dietary fibres
in the maintenance of human health.
- 5+5
3. (a) State the variation of microflora colony starting from
mouth to colon.
- (b) How lactobacillus and bifidobacterium helps in the
maintenance of guts health ?
- (c) Discuss the different sources of microflora of guts.
- 2+4+4
4. (a) What is oxidative stress ? Classify different type of
antioxidant system.
- (b) 'Tea components may act as antioxidant and
nutraceuticals.' – Justify.

(c) Mention the prerequisites to be an efficient probiotics.

(1+2)+3+4

5. (a) What is symbiotic ? Discuss the health benefits of this briefly.

(b) Give examples of different prebiotics with their characteristic features.

(c) Mention the uses of different functional foods for good health.

(2+2)+3+3

6. (a) Discuss the advantages of Genetically modified food over selective breeding.

(b) What are the objectives for the development of genetically modified (GM) food. Mention the demerits of GM food.

(c) Describe the basic technique of genetically modified plant.

3+(2+2)+3