

**2017**

**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) What is functional food ?
  - (b) What is the basic difference between W-3 and W-6 fatty acid ?
  - (c) Name two insoluble dietary fibre.

*(Turn Over)*

- (d) What is lactulose ?
  - (e) What is meant by counseling ?
  - (f) Differentiate nutraceuticals and pharmaceuticals.
  - (g) What is selective breeding ?
  - (h) What is meant by 'quality assurance' ?
2. (a) 'Before application of external probiotics, it should essentially fulfill certain criteria'—Justify the statement.
- (b) Discuss the mechanism of action of probiotics in disease prevention with example.
- 5+5
3. (a) What is small scale entrepreneurship ?
- (b) Discuss the problems of home level small scale entrepreneurship.
- (c) Briefly describe the steps and measures to overcome the problem of small scale entrepreneurship.
- 2+4+4
4. (a) What are the basic objectives of abortion linked counseling ?

- (b) Describe the different types of abortion related counseling with special reference to 'for abortion' and 'against abortion'.

4+4+2

5. (a) Discuss the physiological role of probiotics on human health.
- (b) Enumerate the characteristic features of an ideal probiotic.
- (c) What do you mean by biological specificity of probiotics?

4+4+2

6. (a) What is GM food?
- (b) State different disadvantages of GM food.
- (c) Describe the different steps of addition of fish gene to tomato plant.

2+4+4