

2021
FOOD & NUTRITION
[HONOURS]
Paper : IV

Full Marks : 75

Time : 4 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***Answer all the questions.**1. Answer any **five** questions of the following:

1×5=5

- a) What is Eclampsia?
- b) What is vegetarian egg?
- c) Name the test that is used to check proper pasteurisation of milk.
- d) Define the term LBW.
- e) Define the term functional food.
- f) Define the term 'Reference Man'.
- g) What is REE?

2. Answer any **six** questions from the following:

2×6=12

- a) Which compound is responsible for the fishy smell of fish? What is the temperature of cold smoking process of fish? 1+1
- b) What is rigor mortis?
- c) What are the factors that determine the calorie requirement of an individual?
- d) Write down the difference between growth and development.
- e) Define the term Heart burn. Give two remedies.
- f) Write two importance of BMR measurement.
- g) What is the importance of school lunch programme in India? Give examples of school lunch programme.
- h) Define the term gelatinisation. Give examples.

3. Answer any **three** questions from the following:

6×3=18

- a) i) Write down the nutritional benefit of germination.
- ii) Write short note on probiotic yogurt.

3+3

- b) i) What are the beneficial effects of breast feeding for nursing mothers?
- ii) Define SDA. 4+2
- c) i) Discuss the factors affecting pregnancy out come?
- ii) What is spiwa bifida? 4+2
- d) i) Write short note on exclusive breast feeding.
- ii) What are the disadvantages of artificial feeding? 3+3
- e) i) Give example of non enzymatic browning.
- ii) Write down the medicinal property of ginger and garlic. 2+2+2

4. Answer any **four** from the following: 10×4=40

- a) Write short notes on:
 - i) Eating disorder that occurs during infancy.
 - ii) Nutritional requirement of school going children. 5+5
- b) i) Short notes –artificial sweetners.
- ii) What are the changes occur during roasting of coffee?
- iii) Medicinal property of honey. 3+5+2

- c) Write down the RDA sprinters. Mention the type of meal requirement for women wrestlers during training period. What do you mean by ergogenic aids? Give examples. 3+4+3
- d) i) What are the physiological changes that occur during pregnancy?
- ii) Describe the major nutritional requirement that need to be modified during pregnancy with recommended dietary allownces. 4+6
- e) What are metabolic changes and complications occurs during old age? 6+4
- f) Define Pasteurisation. Write down its advantages. Write short note on changes that occur during cheese making process. 2+4+4
