

Section - A & Section - B

Instructions:

- 1) Use blue/black ball point pen only.
- 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
- 3) All questions are compulsory.
- 4) The number to the right indicates full marks.
- 5) Draw diagrams wherever necessary.
- 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
- 7) Use a common answer book for all section.

Section-A (45 marks)

Nutrition

Short answer questions (any five out of six) :

(5x5=25)

- 1) Classify foods according to their functions in the body.
- 2) Functions and requirements of water.
- 3) Importance of vegetables and fruits in a daily diet.
- 4) Meaning and importance of balance diet.
- 5) Soft diet.
- 6) List the principles and reasons for cooking.

Long answer questions (any two out of three) :

(2x5=10)

- 1) Plan a balance diet for female adolescent.
- 2) Methods of enriching the family diet.
- 3) National Nutritional programme in India.

Short answer questions (any two out of three) :

(2x5=10)

- 1) Food adulteration.
- 2) Functions of Carbohydrate.
- 3) Factors Influencing basal metabolic rate (BMR).



2. Long answer questions (**any two** out of three) : (2×5=10)
- a) Write the sources, deficiency manifestation of vitamin A.
  - b) Discuss the effect of deficiency of protein and its preventive measures.
  - c) Define basal metabolic rate and factors affecting basal metabolic rate.

3. Short answer questions (**any two** out of three) : (2×5=10)
- a) Describe the classification of carbohydrate.
  - b) Food fortification.
  - c) List the uses of recommended dietary allowances.

**SECTION – B (30 marks)**

**Biochemistry**

4. Long answer questions (**any four** out of five) : (4×5=20)
- a) Define proteins, classify them giving suitable examples.
  - b) Outline the pathway of glycolysis with its energetics.
  - c) Classify lipoproteins with their functions.
  - d) Describe competitive and non-competitive inhibition of enzymes with their examples.
  - e) Functions and deficiency manifestations of calcium.
5. Long answer questions (**any one** out of two) : (1×10=10)
- a) Describe sources, recommended daily allowance, biological functions and deficiency manifestations of vitamin D .
  - b) Define oxidative and non-oxidative deamination. Describe urea cycle with its metabolic disorders.
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