

5/12/19 E

[This question paper contains 4 printed pages]

**Your Roll No.** : .....

**Sl. No. of Q. Paper** : **8381** **J**

Unique Paper Code : 32235906

Name of the Course : **Generic Elective :  
Zoology**

Name of the Paper : Food, Nutrition & Health

Semester : III

**Time : 3 Hours** **Maximum Marks : 75**

**Instructions for Candidates :**

- (a) Write your Roll No. on the top immediately on receipt of this question paper.
- (b) Attempt any **Five** questions in **all**.
- (c) Question **NO.1** is compulsory.
- (d) **All** questions carry equal marks.

1. (a) Fill in the blanks : 5

(i) Thick, yellowish, viscous liquid secreted by mother soon after delivery is called.....

(ii) A triglyceride has .....and .....

P.T.O.



- (iii) The full form of RDA is .....
- (iv) Tissues that store fats are called.....
- (iv) The major compound present in vitamin E is .....
- (b) Define the following terms : 10
- Xerophthalmia
  - Antioxidants
  - Neurocysticercosis
  - Amoebiasis
  - Prophylaxis
- (c) State whether the following statements are **True or False** and Justify : 6
- Alanine is a sulphur containing amino acid
  - Blood pressure is reduced when dietary lipids are reduced
  - Rice is the richest source of Beta carotene
  - Glycogen is an unbranched polysaccharide molecule
  - Carbohydrate present in milk is known as lactose
  - Typhoid fever is spread by mosquito bite

- (d) Choose the correct answer : 6
- Deficiency/excess of carbohydrates results in ketosis.
  - Olive oil is a good example of MUFA/PUFA.
  - Pernicious anaemia is caused by deficiency of iron/Vitamin B<sub>12</sub>.
  - Malaria is spread by mosquito bit/contaminated water.
  - The most abundant mineral in the body is Calcium/Phosphorus.
  - Cholera/Obesity is a life style disease.
- Write about mode of transmission, causative agent, sources of infection, symptoms and prevention of any two viral infections studied by you. 12
  - Describe the life cycle, pathogenesis of *Ascaris lumbricoides*. Add a note on prophylaxis and treatment of its infection in man. 12
  - Write a note on Iodine deficiency. Explain the functions and regulation of the thyroid gland. Discuss the key points of the National Iodine Deficiency Disorders Control Program. 12



8381

5. Discuss the social health problems, their causes and prevention through dietary and life style modifications, especially among the youth.

12

6. Give an account of the varied functions of protein in the human body. What are the rich dietary sources of proteins ? Discuss Protein Energy Malnutrition giving the deficiency diseases.

12

7. Write short notes on any **three** of the following :

$4 \times 3 = 12$

- (a) Causes and symptom of AIDS
- (b) Diabetes mellitus
- (c) Food spoilage
- (d) Purification methods of drinking water
- (e) Balanced diet