

2018
ZOOLOGY
ZOO :306E
NUTRITION, HEALTH AND DISEASES

Full Marks: 80

Time: 3 Hours

The figures in the margin indicates full marks for the questions :

1. Answer the following (Any five): **1x5=5**

- i. Name two vitamin having antioxidant properties.
- ii. Which hormone is responsible for the causes of pernicious anemia?
- iii. What are the symptoms of scurvy?
- iv. What will happen if vitamin C is consumed in excess?
- v. Which metal is required for insulin crystallisation?
- vi. Why PF is more dangerous than PV?
- vii. What is metastasis?

2. Answer the following (any five): **2x5=10**

- i. Iron and Ca^{2+} are necessary for good health -Justify.
- ii. Write the functions of lipids.
- iii. Give atleast four measures that can prevent the spread of cholera disease.
- iv. What are chitin and heparin?
- v. What are the important functions of Folic Acid.
- vi. What do you mean by stereoisomeric and amphiphatic nature of amino acid?

3. Answer the following short type questions (Any five): **5x5=25**

- i. Write about the types of dehydration and their effect on human health.
- ii. Distinguish between Culex and Anopheles.

P.T.O.

- iii. Write the life cycle of *Taenia solium*. Mention the parasitic adaptation of *Taenia solium*. 3+2=5
- iv. Explain how the absorption of fat differs from the absorption of amino acids and monosaccharides.
- v. What are the different types of malarial disease? Mention the prophylaxis of malaria disease. 2+3=5
- vi. Differentiate between diabetes mellitus and diabetes insipidus.
- vii. Distinguish between benign and malignant tumor?

4. Answer the following long type questions (Any Four): 10x4=40

- i. Discuss the physiological functions of vitamin K and vitamin E. 5+5=10
- ii. What is alcoholism? What are the effects of alcoholism on human health? 2+8=10
- iii. Describe the life cycle of house flies. Give some measures for controlling of houseflies and also add two economic importance of it. 5+3+2=10
- iv. What are the types of asthma? Mention their treatment procedure. 3+7=10
- v. Distinguish between trace and major elements. Discuss the physiological role of trace and major elements for good health.
- vi. What are the characteristics of transformed cells? Discuss the causes and preventive measures of cancer. 3+2+5=10
