

- (b) What is the cause and mode of transmission of Typhoid and what steps should be taken to prevent its infection? (6)
5. (a) What are the characteristics of benign and malignant neoplasm. Explain how cancer cells metastasize to other organs? (10)
- (b) Write about Diabetes and its management. (5)
6. (a) Describe infection caused by *Wuchereria bancrofti* and explain how it is transmitted. Write the measures to prevent and control its infection. (10)
- (b) Discuss the phases which show the progression of Dengue infection. What are the warning signs of a Dengue which require immediate treatment? (5)
7. Write short notes on **any three** of the following : (5×3=15)
- (i) Cardiovascular disease
 - (ii) Anemia
 - (iii) Addison's disease
 - (iv) Tetanus
 - (v) Amoebiasis

(1200)

[This question paper contains 4 printed pages.]

Your Roll No.,.....

Sr. No. of Question Paper : 10398 **K**

Unique Paper Code : 2233012003

Name of the Paper : DSE-3, Medical Zoology

Name of the Course : **B.Sc. (Hons.) Zoology /
B.Sc. (Hons.) / B.Sc.
Program**

Semester : III, NEP-UGCF

Duration : 3 Hours Maximum Marks : 90

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
 2. Attempt **Five** questions in all.
 3. Question No. 1 is compulsory.
 3. Draw suitable well labelled diagrams wherever required.
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1. (a) Define the following (**any five**) : (2×5=10)
 - (i) Zoonosis
 - (ii) Vector
 - (iii) Pandemic
 - (iv) Sarcoma
 - (v) Incubation period
 - (vi) Parasite

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(b) Distinguish between (**any four**) : (2×4=8)

- (i) Ulcerative colitis and Crohn's disease
- (ii) Pathogenicity and virulence
- (iii) Primary TB and Latent TB
- (iv) Gigantism and Dwarfism
- (v) Incidence and Prevalence

(c) State True or False: (1×4=4)

- (i) The infective stage of *Entamoeba histolytica* is the quadrinucleate cyst, ingested through fecally contaminated food or water.
- (ii) *Fasciolopsis buski* is a trematode which is also known as giant intestinal fluke.
- (ii) Deficiency of Vitamin B1 (Thiamine) causes a disease known as Beri-Beri.
- (iii) Carcinomas are cancers of connective tissues.
- (iv) *Anopheles* mosquito is the main vector for trypanosome infection.

(d) Fill in the blanks : (1×4=4)

- (i) The causative organism of lymphatic filariases is _____.
- (ii) An oncogene can cause _____.

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(iii) Deficiency of _____ leads to Rickets.

(iv) Rocky Mountain spotted fever (RMSF) is a _____ disease.

(e) Expand the following (**any four**) : (1×4=4)

- (i) ART
- (ii) TNM
- (iii) CVD
- (iv) BCG
- (v) ADH

2. (a) Describe the cause, symptoms, transmission and prevention of Tuberculosis. (10)

(b) What are the reasons of Osteoporosis? How is Osteoporosis treated? (5)

3. Describe the different stages in the life cycle *Plasmodium vivax*. Explain ex-erythrocytic and erythrocytic schizogony phase of its asexual reproduction. (15)

4. (a) Discuss the causes and symptoms of Scurvy and Rickets. (9)

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