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SECTION 'C'
(Long Answer Type Questions)

12 × 4 = 48

Note : Answer the following questions in 500 words.

1. Discuss the host parasite relationship in detail.

Or

Discuss the life cycle of malaria parasite with symptoms and preventive measure.

2. What causes tuberculosis ? Discuss the different types of tuberculosis and elaborate the risk factors of the disease.

Or

What is snail fever ? Explain its transmission, symptoms, diagnosis and prevention.

3. Write an essay on AIDS.

Or

Discuss the different types of pneumonia in detail.

4. Discuss spotted fever group with their vectors and symptoms.

Or

Describe the different types of mycotoxins related to human concern.

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G-3/346/21

Roll No.....

M.Sc. III Semester Examination, April-2021

ZOOLOGY

Paper IV

(Biology of Parasitism)

Time : 3 Hours]

[Maximum Marks : 80

Note : All questions are compulsory. Question Paper comprises of 3 sections. **Section A** is objective type/Multiple Choice questions with no internal choice. **Section B** is short answer type with internal choice. **Section C** is long answer type with internal choice.

SECTION 'A'

(Objective Type Questions)

Choose the correct answer :

1 × 8 = 8

1. Root of transmission of a parasite :

- (a) Direct route (b) Indirect route
(c) Both (a) and (b) (d) None of these

2. Trypanosoma can be found in which of the following tissues ?

- (a) Blood
(b) Lymph nodes
(c) Cerebrospinal fluid
(d) All are possible tissue

3. The filarial larva can be collected from the sample of :

- (a) Biopsy of liver
(b) Smear of intestinal content
(c) Smear of spleen
(d) Peripheral blood of mid night

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4. Heartworms enter a dogs blood stream from the bite of :

- (a) an infected mosquito
- (b) Infected mites
- (c) Infected ticks
- (d) None of above

5. The risk of rabies in :

- (a) Dogs more than bats world wide
- (b) Greater in children than adult
- (c) Dogs in Asia more than Europe
- (d) All of above

6. Which is the most common community acquired pneumonia ?

- (a) Pneumococcus (b) Hemophilus influenzi
- (c) Viral (d) Mycoplasma
- (e) gm negatives

7. As ideal direct test for Lyme disease would have which of the following characteristics ?

- (a) High sensitivity and specificity soon after tick bite or before symptom on set
- (b) Short turn around time
- (c) Non reactivity when active infection is absent
- (d) All of the above
- (e) (a) and (b) both

8. Fungi differs from bacteria in that it :

- (a) Contain no peptidoglycan

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(b) are prokaryotic

(c) Susceptible to griseofulvin

(d) Have nuclear membrane

SECTION 'B'
(Short Answer Type Questions)

6 × 4 = 24

Note : Answer the following questions in 250 words.

1. Write the causes, symptoms and prevention of coccidiasis.

Or

What is human African sleeping sickness ? Discuss its forms, symptoms and how it can be prevented ?

2. What causes elephantiasis ? Write the transmission, symptoms and complications of lymphatic filariasis.

Or

Define the taeniasis and discuss its transmission, prevention and control.

3. What are the different forms of plague ? Write the basic transmission cycle of Plague.

Or

What are the types of Human Para Influenza viruses and how it transmits ?

4. What is the causative agent of lyme disease ? Discuss its phases, symptoms and preventive measures.

Or

Explain the cutaneous mycosis with their types.