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M.Sc. (IVth Semester) Examination, 2020

ZOOLOGY

(Biology of Parasitism)

Time Allowed : Three Hours

Maximum Marks : 70

SECTION - A

Note : Attempt any ten questions. Each question carries one mark. **10**

Q. 1. Objective type :

- (i) Infective stage (form) of plasmodium is _____.
- (ii) The common name of Dracanculus is _____.
- (iii) Leprosy disease is caused by _____ bacteria.

(2)

- (iv) Infection of Enterobium Vermicularis in human beings is called _____.
- (v) Xenopsylla cheopis is a vector of _____ disease.
- (vi) Vector of Leishmania tropica is :
 - (a) Sand fly
 - (b) Flabotomas
 - (c) Culex
 - (d) Anophilies
- (vii) Infected form of Trypanosoma is :
 - (a) Small stumpy
 - (b) Metacyclic
 - (c) Crithidial
 - (d) Leishmania

(3)

(viii) Which of these is Hook Worm :

- (a) Enterobious Vermicularis
- (b) Ascaris
- (c) Tricuris
- (d) Ancylostoma

(ix) Filaria worm is found in human body in :

- (a) Stomach
- (b) Intestine
- (c) Liver
- (d) Lymph vessels

(x) Flagellum turns out from the body of

Trypanosoma :

- (a) Anterior part
- (b) Blepharoplast
- (c) Peribasal
- (d) Posterior part

(4)

(xi) Through which is Giardia transmitted :

- (a) Sand fly
- (b) Anophilies
- (c) Culex
- (d) Contaminated food & water

(xii) Among these one worm is Viviparous :

- (a) Pin worm
- (b) Hook worm
- (c) Filaria worm
- (d) Guini worm

SECTION - B

Note : Attempt any five questions. Each question carries

2 marks.

10

(5)

Q. 2. Very short answer type (25-30 words) :

- (i) Write the name of any two species of Trypanosoma and the disease caused by them.
- (ii) Mehlis glands
- (iii) Write the name of any two disease transmitting ticks.
- (iv) What is parasite vector ?
- (v) What is the difference between nematodes and cestodes ?
- (vi) Precystic stage or minuta of Entamoeba.
- (vii) What do you understand by Ascariasis ?

SECTION - C

Note : Attempt any five questions. Each question carries 4 marks. **20**

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P.T.O.

(6)

Q. 3. Short answer type (250 words) :

- (i) Cyst stage and pre cyst stage of Entamoeba.
- (ii) Leprosy
- (iii) Tuberculosis
- (iv) Plague
- (v) Pathogenic nematodes
- (vi) What is fungal disease ?
- (vii) Trophozoite larva of plasmodium

SECTION - D

Note : Attempt any three questions. Each question carries 10 marks. **30**

Q. 4. Essay type (more than 500 words) :

- (i) Describing the characters of Virus, write note on disease caused by viruses.
- (ii) Describe the life cycle of Trichinella.

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(7)

(iii) Describe the life cycle of Dracanculus.

(iv) Describe the life cycle of Leishmania.

