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**SUBJECT CODE NO: - F-6221**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**M.Sc. (Sem-III) (Zoology)**  
**Examination December/January-2022-23**  
**Applied Parasitology - I -524 Elective**

[Time: 3:00 Hours]

[Max. Marks:80]

Please check whether you have got the right question paper.

N. B

- i) Part 'A' is compulsory
- ii) Attempt any five questions from Part-B
- iii) Draw neat labelled diagrams wherever necessary

**Part-A**

Q1 Attempt the following multiple choice questions

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- 1) One of the following is not vector protozoan disease.
  - a) cyclops b) Tick c) Tretrefly d) Sandfly
- 2) It is the largest round worm
  - a) Enterobius vermicularis b) ascaris lumbricoides
  - c) strongyloides stercoralis d) Ancylostoma duodenale
- 3) \_\_\_\_\_ is associated with rectal prolapse peristalsis
  - a) Enterobius Vermicularis b) Trichuris Trichuris
  - c) Ascaris lumbricoides d) None
- 4) Leishmania donovani is the causative agent of
  - a) Malaria b) Kala agar c) chagas disease d) sleeping sickness
- 5) The introduction of Trypanosoma gambiense into the circulation of the vertebrate host is usually through the bite of\_\_\_\_\_
  - a) Dogs b) Glossina palpalis c) Mosquito d) Rats
- 6) Facultative parasites live a parasitic lite when\_\_\_\_\_
  - a) visits its host for a short period b) Opportunity arises
  - c) Soil came in contact d) Water came in contact
- 7) Sources of infection
  - a) contaminated soil and water b) Raw or uncooked pork/ beet
  - c) Blood sucking insect d) all of three

- 8) *Trichomonas vaginalis* is transmitted by\_\_\_\_\_
- a) contaminated food b) Coughing and sneezing  
c) Insect bite d) Sexual contact
- 9) It is a tubular or tunnel shaped for rucking purpose.
- a) Erophagus b) Buccal cavity c) Annus d) Mouth
- 10) The female adult where in oval is recluse
- a) oviparous b) viviparous c) Pathogenic d) None

### Part-B

- Q2 Describe in detail various types of host with suitable example 12
- Q3 What is parasitism? Explain the concept of parasitism. 12
- Q4 Give an account of general organization of *Leishmania donovani* 12
- Q5 Explain the Inter-specific biological relationship in parasitism 12
- Q6 Give an account of structure, life cycle and pathogenicity of *Trypanosoma gambiense* 12
- Q7 Describe in detail intestinal cestode with suitable example 12
- Q8 Give an account of Trematodes infective in metacercarial stage 12