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SUBJECT CODE NO:- 6587
FACULTY OF SCIENCE & TECHNOLOGY
M.Sc. Sem-II
Examinations March/April-2022 (To be held in June/July-2022)
Zoology
Helminthology II ZOO-206

[Time: 3:45 Hours]

[Max. Marks:80]

N.B 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 labeled diagram whenever necessary

Part A

Q.1 Multiple choice questions

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- i) On the basis of pressure or absence of _____, nematodes are classified into two classes.
 - a) Amphids
 - b) Cephalic paprilla
 - c) Phasmids
 - d) Bursa
- ii) What is the most prevalent nematode infection world wide?
 - a) Trichuris trichura
 - b) trichinella spiralis
 - c) Wacheria
 - d) Toxocara
- iii) Which is the following disease caused by nematode.
 - a) Filariasis
 - b) Hydatidosis
 - c) cysticercosis
 - d) Cocnurosis
- iv) Nematodes are classified into adenophorea and _____.
 - a) Cotyloda
 - b) aphasmda
 - c) Rhabditida
 - d) Secernenteg
- v) Nematodes are characterised by the absence of circulatory system and _____.
 - a) Nervous system
 - b) Respiratory system
 - c) Excretory system
 - d) Digestive system
- vi) Chemotherapy for microfilaria is _____.
 - a) Doxycycline
 - b) Diethyl carbamarine (DEC)
 - c) Praziquantal
 - d) Albendazole
- vii) Lymphatic filariasis is transmitted by _____.
 - a) Culex
 - b) flies
 - c) Flea
 - d) anopheles
- viii) Who is known as father of nematology?
 - a) N.A colb
 - b) G. Thorne
 - c) De-man
 - d) F.G.W Jones

- ix) Citrus nematode is _____.
 a) Hablolaimus b) Paratylenchus
 c) Rotylenchus d) Tylenchus
- x) Most plant parasitic nematodes have a hollow spear, called a _____.
 a) Cordon b) Amphid
 c) Stylet d) Procorpus

Part B

- Q.2 Describe structure of lips and cephalic papillae in animal nematodes. 12
- Q.3 Describe female reproductive system in animal nematode. 12
- Q.4 Write an account on development and hatching of eggs in nematodes. 12
- Q.5 Describe life cycle and pathogenicity of *strongyloides stercoralis*. 12
- Q.6 Give an account on general organization of plant parasitic nematodes. 12
- Q.7 Discuss in detail the above ground symptoms of nematode injury in plants. 12
- Q.8 Write short notes. (any two) 12
- a) Morphology of Trichuris Trichura
 b) Elephantiasis
 c) Chemical methods of plant nematode management