

M.Sc. ZOOLOGY
FIRST SEMESTER [SPECIAL REPEAT]
PARASITOLOGY
MSZ-104

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

(Objective)

Time: 15 mins.

Marks: 10

Choose the correct answer from the following:

1×10=10

- Which of the following is absent in Platyhelminthes?
 - Digestive system
 - Respiratory system
 - Exoskeleton
 - All of the above
- Spines, spicules and hooklets are all..... organs.
 - Detachment
 - Attachment
 - Excretory
 - Both a and b
- Cephalisation means differentiation of the body into a:
 - Scolex
 - Anus
 - Head
 - Pharynx
- The scolex exvaginates in coming in contact of what?
 - Gastrin
 - Pepsin
 - Trypsin
 - Bile
- In *Taenia solium* which stages are pathogenic?
 - Worm
 - Cyst
 - Both a & b
 - None
- Where the organ of attachment is mostly available in nematodes?
 - Tail
 - Abdomen
 - Mouth
 - All of the above
- Copulatory bursa is found in..... form of nematode.
 - Ascaris*
 - Ancylostoma*
 - Taenia*
 - All of the above
- How many copulatory spicules are found in females of hookworms?
 - 2
 - 4
 - Multiple
 - None
- What is the maximum size of fourth stage larva of an *Ascaris*?
 - 3 mm
 - 4 mm
 - 5 mm
 - 6 mm

10. The total maximum body length of a *Ascaris* adult female is:
- a. 20 cm
 - b. 40 cm
 - c. 60 cm
 - d. 80 cm

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(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

1. Write the general characters of cestodes with examples. 5
2. Write a descriptive note on the parasitological aspects on mode, infection and host behaviour of at least two common parasites of India with diagrams. 10
3. Explain the life cycle of *Taenia solium* with diagram. 10
4. Explain the life cycle with diagrammatic representation of *Ascaris lumbricoides*. 10
5. Write a note on the characteristics of Platyhelminthes. 10

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