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April-2013

**कक्ष - 008**

**ZOOLOGY PAPER - II (NEW) - ZOO-112**

# Parasitology

**P. Pages : 2**

**Time : Two Hours**

**Max. Marks : 40**

### Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory and carries equal marks and draw neat labelled diagrams wherever necessary.
5. Figure to the right indicate full marks.

1. Multiple choice questions. (Attempt **any eight**)

8

- i) The association between the members of different species is called ----
  - a) Intraspecific
  - b) Interspecific
  - c) Mutualism
  - d) Commensalism.
- ii) To parasite lives outside the host is called ----
  - a) Ectoparasite
  - b) Endoparasite
  - c) Vector
  - d) None of the above.
- iii) ----- is refers to Proliferation in number of parasitised cells, results into inflammation.
  - a) Hyperplasia
  - b) Metaplasia
  - c) Neoplasia
  - d) Hypertrophy
- iv) Erythrocytic Schizogony of plasmodium vivax is complete in ---- hours.
  - a) 12
  - b) 24
  - c) 36
  - d) 48
- v) ----- is commonly called as the Sheep Liver Fluke.
  - a) Taenia solium
  - b) Fasciola hepatica
  - c) Ascaris
  - d) Leech.
- vi) A organism, which can not survive without the host is called ----- parasite.
  - a) Facultative
  - b) Obligatory
  - c) Temporary
  - d) Permanent.
- vii) The infestation caused by ----- is called pediculosis.
  - a) Head louse
  - b) Tick
  - c) Bedbug
  - d) Mosquito

- viii) Malaria is a disease transmitted by the bite of ----- mosquito.
- |                   |                     |
|-------------------|---------------------|
| a) Male Culex     | b) Female anopheles |
| c) Male anopheles | d) Female Culex.    |

- ix) Liver fluke belongs to the class -----
- |             |              |
|-------------|--------------|
| a) Nematoda | b) Trematoda |
| c) Cestoda  | d) Archinida |

- x) Filarial worm is the ----- parasite.
- |                    |                   |
|--------------------|-------------------|
| a) Tissue parasite | b) Gut parasite   |
| c) Blood parasite  | d) Lymph parasite |

**2. Define / Explain any four.** **8**

- Physiological adaptations of Parasite.
- Permanent Parasite
- Immunity
- Neoplasia
- Parasitism
- Host.

**3. Attempt any two.** **8**

- Explain pathogenicity of Malarial parasite.
- Nutritional effect of parasite on host.
- Explain the structure of Miracidium larva.

**4. a) Attempt any two.** **6**

- Explain Mutualism.
- Sketch and Label Fasciola hepatica.
- Parasitic castration.

**b) Comment on - Elephantiasis.** **2**

**5. Attempt any one of the following.** **8**

- Explain the life cycle of Fasciola hepatica.
- Define vector, Describe Mosquito as a vector in transmission of various diseases.

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