

Avinashilingam Institute for Home Science and Higher Education for Woman
Coimbatore-641043

Master's Degree Examination – November 2017
III Semester

Class: II PG
Major: Zoology

Time: 3 hrs
Maximum marks: 60

12MZOC19 ECONOMIC ZOOLOGY (SELF STUDY)

PART-A
Answer the following

10 x 1/2 = 5

Choose the correct answer

- Which one of the following is secreting a special food "Royal Jelly?"
a. Queen bees b. Worker bees c. Drones d. All the above
- Name the correct one which is dangerous to honey bees comes under the family Tenebrionidae
a. *Vespa cincta* b. *Acherontia styx* c. *Platylolium alvearium* d. *Dorylus labitus*
- The zoological name of mulberry silkworm is known as-----
a. *Antheraea mylitta* b. *Antheraea pernyi* c. *Bombyx mori* d. *Antheraea assamia*
- In silkworm, white muscardine disease is caused by an organism known as-----
a. Protozoa b. Virus c. Bacteria d. Fungi
- The common name of *Channa punctatus* is called as-----
a. Snake head b. Climbing perch c. Rohu d. Stiped snake head
- Combination of ovaprim is-----
a. Ova RH & dopamine inhibitor b. LHRH-A
c. 17- α -hydroxy-Prog d. HCG 70% & PG 3%
- The ideal pH of soil for vermicomposting is-----
a. 6 to 9 b. 7 to 8 c. 6.8 to 7.5 d. All the above
- Following one is an excellent feed source for earthworms during vermicomposting
a. Cow manure b. Ammonia c. Dead leaves d. Iron
- Mention the largest fowl breeds in Asia
a. Anconas b. Brahmas c. Red feathered dorking d. Plymouth rocks
- Coccidiosis in chicks damages the organ named as
a. Beak b. Legs c. Gut wall d. Eyelids

PART-B

Answer all questions

5 x 4 = 20

Answer should not exceed 200 words or one page

11. a. Illustrate the structure of Newton's hive and write down its economic importance?
(Or)
b. Classify the diseases of honeybees? Suggest few preventive measures to the farmers
12. a. Distinguish and differentiate the characteristic features of mulberry and non mulberry silkworms
(Or)
b. Classify the types of diseases of *Bombyx mori*
13. a. Give a short note on polyculture techniques
(Or)
b. Illustrate the structure of pond ecosystem with suitable diagram
14. a. Write short note on vermicast and vermiwash
(Or)
b. What are the major cultivable species of earthworm in India?
15. a. Give a short account on feed formulations of chick rearing.
(Or)
b. Vaccines play a vital role for control the diseases of chicks- Explain?

PART-C

Answer all questions

5 x 7 = 35

Answer should not exceed 600 words or three pages

16. a. Briefly explain the life history of honey bees with neat diagram
(Or)
b. Discuss the various kinds of honey bees and their economic importance.
17. a. Enumerate in detailed account on the life cycle of *Bombyx mori* with suitable diagram
(Or)
b. What are the various steps involved in silkworm rearing techniques?
18. a. Explain in detail the major cultivable fish species in India.
(Or)
b. What do you mean by integrated fish culture? Explain sewage fed fish culture with suitable examples.
19. a. Write an essay on various vermicomposting methods and write down its advantages
(Or)
b. Give a brief account on the physicochemical features required for vermicomposting.
20. a. Write a detailed note on deep litter system in chick rearing.
(Or)
b. Write an essay on the management strategies of growers and layers in poultry field.
