

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2005 – 2006 & thereafter)

SUBJECT CODE: ZL/MC/AZ44

B. Sc. DEGREE EXAMINATION APRIL 2007
BRANCH VI.A. – ADVANCED ZOOLOGY AND BIOTECHNOLOGY
FOURTH SEMESTER

COURSE : MAJOR – CORE
PAPER : APPLIED ZOOLOGY

TIME : 3 HOURS

MAX. MARKS : 100

SECTION – A

ANSWER ALL QUESTIONS:

(10 X 3 = 30)

1. Mention the organism which has the following larval stage in its life cycle.
a) Cysticercus b) Cercaria c) Microfilariae
2. Mention the temperature maintained at the following methods by which the fishes are preserved.
a) Refrigeration b) Deep freezing c) Freeze drying
3. Give the meaning of the following terms:
a) Univoltine b) Bivoltine c) Multivoltine
4. Mention the use of the following:
a) Pollen basket b) Sting c) Royal jelly
5. What are the following:
a) Muscardine b) Chandraki c) Dead heart.
6. Mention the application of the following:
a) Chemosterilization b) Eye stalk ablation c) Hypophysation.
7. Mention the properties of Lac.
8. Mention the names of any three of the Desi breeds of fowls.
9. Mention the uses of snake venom.
10. Mention any three of the fermented type of dairy products.

SECTION – B

ANSWER ANY FIVE QUESTIONS:

(5 X 6 = 30)

11. Give an account of the pathogenesis, prophylaxis, and control of Schistosoma Sp.
12. Explain the method of culturing any one of the live feed animals.

13. Give an account of the composition and economic importance of lac.
14. Enumerate the pathogenicity, prophylaxis and control of any three diseases of silkworm.
15. Give an account of the types of Hapas used in fish culture.
16. What is biological control? Give examples and add a note on its significance.
17. Give an account of the common diseases of poultry.

SECTION – C

ANSWER ANY TWO QUESTIONS:

(2 X 20 = 40)

18. Enumerate the salient features, the nature of destruction caused and the control measures of any two pests of paddy.
19. Give an account of the modern method of Bee – keeping. Add a note on the economic importance of honeybees.
20. Give and account of fish – culture management. Explain briefly the recent trends in Aquaculture.
21. Give and account of leather and wool industries. Add a note on the recent developments.
