

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2005-06 & thereafter)

SUBJECT CODE: ZL/AO/EZ23

B. Sc. DEGREE EXAMINATION APRIL 2007
SECOND SEMESTER

COURSE : ALLIED OPTIONAL
PAPER : ESSENTIALS OF ZOOLOGY

TIME : 3 HOURS **MAX. MARKS : 100**

SECTION – A

ANSWER ALL QUESTIONS: (10 X 3 = 30)

1. FILL IN THE BLANKS

- a) A well developed coelom is an important character of the phylum_____
- b) The scientific name of filarial worm is _____
- c) The movement of cells during gastrulation is called _____

2. CHOOSE THE CORRECT ANSWER:

- a) The 'mosquito Day' was made on
 - (i) August, 29 – 1986; (ii) August, 29 – 1987; (iii) August, 29 – 1988
 - (iv) August, 29 – 1989.
- b) 'Erythroblastosis foetalis' was reported in Macaca rhesus monkey by
 - (i) Landsteiner and Wiener, 1940. (ii) Wiener and Fisher, 1948
 - (iii) Van Decastelle and Sturli, 1902 (iv) Landsteiner, 1900
- c) The sericulture industry is not famous in
 - (i) China (ii) Japan (iii) India (iv) America

3. MATCH THE FOLLOWING:

- a) Cleavage - Mongolian idiocy
- b) Placenta - Louise Brown
- c) Test tube baby - Holoblastic
- d) Sperm - Kala azar
- e) Protozoa - Embryonic nutrition
- f) Down's syndrome - hyaluronidase

4. **DISTINGUISH BETWEEN**
a) Hare & Rabbit b) Antigen & Antibody
5. How is honey a powerful tonic?
6. What is NK cells?
7. What is IVF?
8. List out some edible fresh water fishes in Tamilnadu.
9. Define Organogenesis.
10. Write a note on Dolly.

SECTION – B

ANSWER ANY FIVE QUESTIONS:

(5 X 6 = 30)

11. Give an outline classification of the phylum Annelida upto class level.
12. Draw a labeled sketch of the brain of Rabbit (Dorsal or Ventral view)
13. Write a short note on sericulture.
14. What is syndrome? Explain Klinefelter's syndrome.
15. Enumerate the salient features of antigen – antibody reaction.
16. What are Vaccines? Give an immunization schedule.
17. Describe the various types of Placenta.

SECTION – C

ANSWER ANY TWO QUESTIONS:

(2 X 20 = 40)

18. Describe the male or female reproductive system of Rabbit
19. Briefly describe the blood group inheritance in man. Explain its medico-legal applications.
20. Describe any one human diseases caused by Protozoan & Nematode parasites.
21. Write an essay on recent trends in Reproductive biology.
