

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2015 – 2016 & thereafter)

SUBJECT CODE: 15ZL/AC/GZ24

B. Sc. DEGREE EXAMINATION, APRIL 2017

BRANCH V.A. – PLANT BIOLOGY & PLANT BIOTECHNOLOGY
SECOND SEMESTER

COURSE : ALLIED – CORE
PAPER : GENERAL ZOOLOGY – II
TIME : 3 HOURS **MAX.MARKS: 100**

SECTION – A

ANSWER ALL THE QUESTIONS

(10 x 3 = 30)

1. Differentiate Apiculture from Pisciculture.
2. Mention the scope for economic zoology.
3. What are pathogens?
4. Comment on communicable diseases.
5. Differentiate spermatogenesis from spermiogenesis.
6. Mention any three of abnormal behavior seen in zoo animals.
7. Define: a) karyotype b) multiple alleles c) lethal genes
8. Comment on erythroblastosis foetalis.
9. Mention the importance of genetic counselling.
10. Comment on imprinting.

SECTION – B

ANSWER ANY FIVE QUESTIONS
(Draw diagrams wherever necessary)

(5 x 6 = 30)

11. Write an account on equipment and tools needed to set up Apiary.
12. Enumerate points on mode of transmission, symptoms, diagnosis and treatment for filariasis.
13. Briefly explain the types of vertebrate eggs.
14. Briefly analyse the bioethical issues of IVF technology.

15. Write an account on polygenic inheritance.
16. Comment on the types of animal associations.
17. Explain parental care in vertebrates with examples.

SECTION – C

ANSWER ANY TWO QUESTIONS
(Draw diagrams wherever necessary)

(2 x 20 = 40)

18. Write an essay on the culture of Indian major carp and add an account on the by- products of fishing industry.
19. Discuss in detail the mode of transmission, symptoms, diagnosis and treatment for Amoebiasis and Malaria.
20. Write an account on the following
 - a) Blastulation and Gastrulation in Frog
 - b) Placentation in mammals
21. Write an account on the following
 - a) Hereditary Diseases.
 - b) Forms of learning.
