

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2008-2009 & thereafter)

SUBJECT CODE: ZL/AC/GZ23

B. Sc. DEGREE EXAMINATION, APRIL 2009
BRANCH V.A. – PLANT BIOLOGY & PLANT BIOTECHNOLOGY
SECOND SEMESTER

COURSE : ALLIED – CORE
PAPER : GENERAL ZOOLOGY – II

TIME : 2 ½ HOURS

MAX.MARKS : 100

SECTION – A

ANSWER ALL QUESTIONS :

(10 X 3 = 30)

1. FILL IN THE BLANKS

- a) The silk produced by Bombyx mori is_____.
- b) Infective stage of Entamoeba histolytica is _____.
- c) A good example for centrolecithal egg is _____.
- d) Placenta serves as an efficient barrier against the transmission of _____.
- e) Sinu auricular node is also called the _____.
- f) _____ is a genetic disease characterized by uncontrolled jerking of the body.

2. MATCH THE FOLLOWING

- | | | |
|-------------------|---|-------------------|
| a) Landsteiner | - | TB |
| b) William Harvey | - | AIDS |
| c) Louis Pasteur | - | Amoebic dysentery |
| d) Luc Montagnier | - | Blood circulation |
| e) Robert Koch | - | Rabies vaccine |
| f) Losch | - | Blood groups |

3. DIFFERENTIATE BETWEEN:

- a) Pupa & Imago
- b) Blood & Lymph

4. NAME THE CAUSATIVE AGENTS OF:

- a) Amoebiasis
- b) Elephantiasis

5. GIVE THE FUNCTIONS OF :

- a) Charka
- b) Sphygmomanometer

6. **STATE WHETHER THE FOLLOWING STATEMENTS ARE TRUE OR FALSE**

- a) Royal jelly is secreted by worker honey bee.
- b) Females of *Wucheria bancrofti* give rise to microfilaria by parthenogenesis.
- c) Erythroblastosis fetalis is one of the sex linked inherited genetic disease.
- d) Haemoendothelial placenta occurs in rabbit.
- e) Haemoglobin occurs in all vertebrates.
- f) Down's syndrome is also called D syndrome.

7. **EXPAND:**

- a) ELISA
 - b) HCG
8. Define gastrulation.
9. Explain DPT.
10. Name any 3 bacterial diseases.

SECTION – B

ANSWER ANY FIVE QUESTIONS:

(5 X 6 = 30)

- 11. Explain briefly the economic importance of Honey.
- 12. Write briefly on Japanese encephalitis and the method of control.
- 13. Write short notes on IVF.
- 14. Explain Ornithine cycle.
- 15. Explain briefly any two genetic disorders in man.
- 16. Discuss the role of Hb in the transport of oxygen.
- 17. Classify the placenta based on histology.

SECTION – C

ANSWER ANY TWO QUESTIONS:

(2 X 20 = 40)

- 18. Write an account of the culture & management of Indian major carps.
- 19. Write an essay on AIDS, its symptoms, control and management.
- 20. Explain the structure and function of human heart.
- 21. How is ABO blood groups inherited in man? Add notes on its significance.
