

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 2010

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

(10X3=30)

1. FILL IN THE BLANKS:

- a) The rearing of silk worm for the production of silk is known as _____.
- b) The arginase enzyme is important for _____ synthesis.
- c) The fertilized egg divides repeatedly by _____.
- d) _____ is a hereditary defect where the melanin pigments are absent.
- e) _____ egg is an example of centrolecithal type.
- f) Systole means _____ .

2. MATCH THE FOLLOWING:

- | | | |
|---------------------|---|-------------------------------|
| a) Down's syndrome | – | kidney. |
| b) Bowman's capsule | – | <i>Bordetella pertussis</i> . |
| c) Pituitary Gland | – | Silk worm |
| d) Whooping Cough | – | Gastrula. |
| e) Cocoon | – | induced ovulation. |
| f) Archenteron | – | Mongoloid idiocy. |

3. DIFFERENTIATE BETWEEN:

- a) Mulberry silk & non-mulberry silk.
- b) Amoebic dysentery & bacillary dysentery.

4. NAME THE CAUSATIVE AGENT:

- a) Elephantiasis b) Diphtheria c) TB.

5. GIVE THE FUNCTION OF:

- a) Pollen basket. b) RBC c) Glomerulus.

6. STATE WHETHER TRUE OR FALSE:

- a) Hemoglobin contains iron and amino acids.
b) 'O' group persons having antigens.
c) Pituitary extracts stimulate the digestion of animals.
d) *Catla catla* is an example of Indian major carp.
e) Cleavage takes place by the process of meiosis.
f) Malarial parasites are transmitted by house fly.

7. EXPAND:

- a) BCG b) ECG c) ATS

8. Comment on 'Pace maker'.

9. List the uses of 'honey'.

10. What are the symptoms of ancylostomiasis.

SECTION-B**ANSWER ANY FIVE QUESTIONS:****(5X6=30)**

11. What is haemophilia? Explain.
12. Give a brief account on AIDS.
13. Write a note on test tube babies.
14. Explain the Ornithine cycle.
15. Write notes on composition of blood.
16. What are the functions of Placenta?
17. Write the features of Down's syndrome.

SECTION-C**ANSWER ANY TWO QUESTIONS:****(2X20=40)**

18. Give an account on culture of *Catla catla*.
19. Describe the types of eggs.
20. Write an essay on any four bacterial diseases.
21. Explain the structure and working of human heart.
