

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2010 - 2011)

SUBJECT CODE: ZL/AC/GZ23

B. Sc. DEGREE EXAMINATION, APRIL 2011

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 average lifespan of RBC is _____.
- b. *Ancylostoma duodenale* is commonly known as _____.
- c. Mammalian adult kidney is _____ type.
- d. Elephantiasis is caused by _____.
- e. Royal jelly is secreted by _____.
- f. Universal donors have _____ blood group.

2.MATCH THE FOLLOWING

- | | |
|---------------------------------|------------------|
| a. Louis Brown | Rh factor |
| b.Deciduate | Coryne bacterium |
| c. <i>Entamoeba histolytica</i> | Test tube baby |
| d.Diphtheria | Placenta |
| e.Telolecithal | Amoebiasis |
| f.Erythro blastosis foetalis | Hen's egg |

3. DIFFERENTIATE BETWEEN

- a.Supersedure & Swarming.
- b.Culture fishery & Capture fishery.

4. NAME THE CAUSATIVE AGENT

- | | | |
|-------------|-----------|-----------|
| a.Pertussis | b.Cholera | c.Tetanus |
|-------------|-----------|-----------|

5. GIVE THE FUNCTION OF

- | | | |
|--------------|-------------|-------------|
| a.Benchi Jal | b.Spinneret | c.Bee veil. |
|--------------|-------------|-------------|

6. STATE TRUE OR FALSE

- a. *Catla catla* is a major carp.
- b. The functional unit of kidney is epididimis.
- c. A & B blood groups may be found in same person.
- d. Mulberry silk is secreted by caterpillars of *Bombyx mori*.
- e. Gastrulation is a process by which notochord and nerve cells are formed.
- f. Basophils are non granulocytes.

7. EXPAND

- a.ECG b.TB c.HIV
- 8. Differentiate between Nursery Pond & Hapa.
- 9. Comment on methods of Bee keeping.
- 10. List the symptoms of Malaria.

SECTION- B

Answer **ANY FIVE** questions.

5x6=30

- 11. Write in brief about the method of production of test tube babies.
- 12. Briefly explain blastulation in rabbit.
- 13. Write notes on Transport of CO₂
- 14. Comment on Albinism.
- 15. Briefly explain any two syndromes.
- 16. Write notes on culture of *Bombyx mori*.
- 17. Describe any two Bacterial diseases.

SECTION-C

Answer **ANY TWO** questions

2x20=40

- 18. Describe the technique of induced breeding and its significance.
- 19. Write in detail the mechanism of Urine Formation.
- 20. Describe the structure & function of Human heart.
- 21. Give an account on Blood Groups and there significance.
