

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086**  
**(For candidates admitted from the academic year 2011 – 2012 & thereafter)**

**SUBJECT CODE: 11ZL/AC/GZ23**

**B. Sc. DEGREE EXAMINATION, APRIL 2015**

**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. FILL IN THE BLANKS**

- Life span of a worker bee is \_\_\_\_\_.
- \_\_\_\_\_ found 4 types of human beings depending on the presence or absence of antigens in the blood.
- The ponds specially constructed for fish breeding having water throughout the year are known as \_\_\_\_\_.
- Malaria is caused by \_\_\_\_\_.
- When the egg has no yolk, it is called as \_\_\_\_\_.
- An example of telolecithal egg is \_\_\_\_\_.

**2. DIFFERENTIATE BETWEEN**

- Morula & Blastula
- Swarming & Supersedure

**3. NAME THE CAUSATIVE AGENT**

- Elephantiasis      b) Diptheria      c)Cholera

**4. GIVE THE FUNCTION OF**

- Honey extractor      b)Placenta      c) FSH

**5. STATE WHETHER TRUE OR FALSE**

- Klinefelter's syndrome was discovered by Harry in the year 1942.
- Rabies is not transmitted through the saliva of rabid dogs.
- Muga silk is not produced by the *Tasar* silkworm.
- Tuberculosis is caused by *Ancylostoma duodenale* .
- Placenta is a Greek word and it means "flat cake".
- The O blood group person is called a universal recipient.

**6. List the economic importance of bees wax.**

7. **EXPAND**

- a) ART      b)DTP      c)ATS

8. Name any 3 bacterial disease.

9. List the symptoms of AIDS.

10. **MATCH THE FOLLOWING**

- |                         |                    |
|-------------------------|--------------------|
| a) <i>Apis indica</i>   | Animal behavoiur   |
| b) Ethology             | Rh antigen         |
| c) <i>Macaca rhesus</i> | Morula             |
| d) Amoeba               | Learning behaviour |
| e) Cleavage             | Indian bee         |
| f) Habituation          | Protozoa           |

**SECTION – B****ANSWER ANY FIVE QUESTIONS****(5 x 6 = 30)****(Draw diagrams wherever necessary)**

11. Explain the life cycle of *Bombyx mori*.
12. Describe the different types of eggs.
13. Classify placenta according to the distribution of villi & chorion.
14. Describe the structure of HIV.
15. Give a brief account on the symptoms, diagnosis and control of cholera.
16. Briefly explain any two hereditary diseases in man.
17. Write an essay on ethology.

**SECTION – C****ANSWER ANY TWO QUESTIONS****(2 x 20 = 40)****(Draw diagrams wherever necessary)**

18. Briefly explain the byproducts of fishing industry.
19. Explain the process of Assisted reproductive technology.
20. Discuss in detail the abnormal behaviour of zoo animals.
21. Give an account on *Plasmodium*, its mode of transmission, symptoms & control of malaria.

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