**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 2018**

**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. Explain Bar biting &Self- mutilation with examples.
2. Differentiate Filariasis&Enterobiasis.
3. Comment on imprinting.
4. What is Queen Excluder?
5. Give three examples of aneuploidy in man.
6. Name the first test tube baby, her parents and the Doctors.
7. Match the following:

   Albinism- Criss-cross inheritance

   Haemophilia- Mitochondrial inheritance

   Kearns Sayre Syndrome - Autosomal recessive inheritance
8. Draw and label blastula of frog.
9. What is Squalene? Where is it found? What is its use?
10. Define multiple alleles. Mention the antigens present in A, B, AB and O blood groups.

## SECTION – B

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

11. Elaborate on the Rh factor, its inheritance and significance.
12. Enumerate reasons for Major Carps being the best culturable fish in India.
13. Draw and describe the life cycle of *Entamoebahistolytica.*

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14. Classify and write a note on vertebrate eggs.
15. What is Polygenic inheritance? Explain with skin colour in man as an example.
16. Write a note on the different types of parental care.
17. Explain sex determination in human.

## SECTION – C

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

18. Enlist the economically important species of honey bees. Explain Social organisationin Honey bee and describe its life cycle.
19. Describe the disease cycle – causative organism, mode of transmission, symptoms, diagnosis and control of AIDS.
20. Classify, draw and describe the different types of placenta in mammals with suitable examples.
21. Explain the types of Animal Associations with an example each. Draw diagrams wherever applicable.

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