

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2015 – 2016& thereafter)

SUBJECT CODE: 15ZL/AE/HI45

B. Sc. DEGREE EXAMINATION, APRIL 2019
FOURTH SEMESTER

COURSE : ALLIED – ELECTIVE
PAPER : INTRODUCTION TO HUMAN PHYSIOLOGY AND IMMUNOLOGY
TIME : 3 HOURS **MAX. MARKS: 100**

SECTION A

ANSWER ALL THE QUESTIONS.

(10x3 =30)

1. Comment on epiglottis.
2. Comment on Graafian Follicle.
3. Expand COPD and ECG.
4. Comment on Ultrafiltration.
5. Differentiate enzymes from hormones.
6. Comment on hypothyroidism.
7. What are macrophages?
8. Write a short note on thymus.
9. Differentiate immunogen from antigen.
10. Write notes on haematopoiesis.

SECTION B

ANSWER ANY FIVE QUESTIONS

(5x6=30)

11. Briefly explain the digestive system of human.
12. Write an account on respiratory pigment and oxygen transport.
13. Describe the excretory system of human.
14. Write an account on physiology of ageing.
15. Briefly explain the types of immunity.
16. Illustrate an immunoglobulin and add notes on its types and characteristics.
17. Briefly explain the types of vaccines.

SECTION C

ANSWER ANY TWO QUESTIONS

(2x20 = 40)

18. Explain in detail circulatory system of human and add notes on the following
 - a) Heart attack and hypertension
 - b) ECG and Angiogram.
19. Give an account on the endocrine organs in human.
20. Form an essay on Cells, Organs and tissues of immune system.
21. Write an account on the following
 - a) Antigen – Antibody reactions
 - b) Hypersensitive reactions.
