

B. Sc. DEGREE EXAMINATION, APRIL 2018
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)**

Comment on the following:

1. Muscle fatigue
2. Nephron
3. ECG
4. Respiratory pigment
5. TSH
6. Hypothalamus
7. NK cells
8. Interferon
9. ELISA
10. Grave's Disease

SECTION B

ANSWER ANY FIVE QUESTIONS **(5x6=30)**

11. Explain the origin and regulation of heart beat.
12. Highlight the functions of Pancreas.
13. Describe the physiology of aging.
14. Explain the types of vaccines.
15. Comment on a. Dialysis b. Hypertension
16. Describe the structure and functions of the thymus.
17. Explain hypersensitivity reactions.

SECTION C

ANSWER ANY TWO QUESTIONS **(2x20 = 40)**

18. Describe the mechanism involved in oxygen and carbondioxide transport.
19. Explain the structure, types and properties of immunoglobulins.
20. Describe in detail about Natural and Acquired immunity.
21. Give an account on the structure and functions of the pituitary gland.
