

**MODEL QUESTION PAPER**  
**B.SC. FOOD SCIENCE AND NUTRITION**  
**II - Semester**  
**DSC-2 Paper-1: HUMAN PHYSIOLOGY**  
**(Effective from 2020-2021 admitted batches)**

**Time: 3 Hours**

**Max. Marks: 75**

**Part – A**

**5×5 =25 Marks**

**Answer any FIVE from the following**

1. Anatomy and physiology of Nerve cell
2. Connective tissue
3. Blood groups
4. Hormones of Thyroid gland and their function
5. Menstrual cycle
6. Sense organs and their functions
7. Urine and its composition
8. Nerve cell and its functions

**Part – B**

**5×10 = 50 Marks**

**Answer the Following Questions**  
**All questions carry equal marks**

9. With the help of labeled diagrams give a comparative account of structure and functions of prokaryotic and eukaryotic cells.

OR

10. Draw labelled diagram of human digestive system and discuss its functional physiology.

11. Describe the composition of blood? Explain the role of platelets in blood coagulation and its significance.

OR

12. With the neat labeled diagram explain the of human heart. Add note on cardiac cycle.

13. Explain the detailed process of respiration with the help of diagram.

OR

14. What are endocrine glands? Explain the endocrine functions of Islets of Langerhans in maintaining human health.

15. What is reproduction? Explain the functional physiology human female reproductive system in menstruation and pregnancy.

OR

16. Explain about the structure and functions of Eye with diagram.

17. Explain the structure and functions of kidney? Give a detailed account of formation of urine and excretion.

OR

18. Explain about the parts of the central nervous system. Add note on transmission of impulses.