

2022

**NUTRITION**

**[Honours]**

**(B.Sc. Second Semester End Examination-2022)**

**PAPER-C4T**

*Full Marks: 40*

*Time: 02 Hrs*

*The figures in the right hand margin indicate marks*

*Candidates are required to give their answers in their own words as far as practicable*

*Illustrate the answers wherever necessary*

**1) Answer any five questions from the following: 5x2= 10**

- a. Write the function of saliva.
- b. What is chime?
- c. Define GFR.
- d. Write the difference between prokaryotic cells and eukaryotic cells.
- e. Differentiate between symport and antiport
- f. Write the function of plasma protein.
- g. Write the non-excretory functions of kidney.
- h. What are bile pigments?

**2. Answer any four questions from the following: 4x5 = 20**

- a. Write down the characteristics features of cells at different stages of erythropoiesis.

(2)

- b. Define chylomicron. Discuss the role of bile salts in fat digestion. 5
- c. Write the name or types of cells in the pancreas with their functions. 2+3
- d. Explain the process of Inspiration and Expiration with involvement of specific respiratory muscles
- e. Write the difference between active and passive transport. Define phagocytosis. 3+2
- f. Briefly discuss about spermatogenesis. 5

**3. Answer any one question of the following: 1x10 = 10**

- a. Briefly discuss about formation of urine  
Write the composition of urine. 8+2
- b. Write the histological structure of stomach.  
Write the functions of stomach. 5+5
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