

KANYASHREE UNIVERSITY

M.Sc. 1st Semester Examination-2023

Subject: Food & Nutrition

Course- CC 3

Applied Physiology

Full Marks-40

Time-2.00 Hours

Group A

[Answer **any four** of the following]

5×4=20

1. What do you mean by T cell cytotoxicity?
2. Write a short note on Microtubule.
3. Describe briefly the transport of glucose across the cell membrane.
4. Write the significance of “Gastro-intestinal Hormones”.
5. Describe briefly the physiology of starvation.
6. What is the role of mucosal associated lymphocytes in health and disease?
7. Discuss the leptin mediated responses of obesity.

Group B

[Answer **any two** of the following]

10×2=20

1. Write the differences between the following:
 - a. Phagocytosis and Pinocytosis.
 - b. Innate Immunity and Acquired Immunity. [5+5]
2. Describe the nature of exo and endo peptidase and their mechanism of action in protein digestion. [5+5]
3. Explain with a diagram how T helper cells and Natural Killer cells provide immunity in a concerned way. [10]
4. Define Golgi bodies. Write the ultramicroscopic structure of organelles of animal cell. [3+7]
