

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2024 – 2025)

B.Sc. DEGREE EXAMINATION, APRIL 2026
HOME SCIENCE – FOOD SCIENCE AND NUTRITION
SECOND SEMESTER

COURSE : MAJOR CORE
PAPER : HUMAN PHYSIOLOGY
SUBJECT CODE : 24FS/MC/HP23
TIME : 3 HOURS

MAX. MARKS: 100

SECTION A			
Q. No.	Answer all the questions in 50 words:	(10 x 2 = 20)	CO KL
1.	Define cell.		1 1
2.	Define blood.		1 1
3.	Give the meaning of olfaction and gustation.		1 1
4.	Write the functions of a neuron.		1 1
5.	How will you calculate cardiac output?		1 1
6.	List the properties of cardiac muscle.		1 1
7.	Mention the functions of nephrons.		1 1
8.	Write the functions of the pancreas.		1 1
9.	State the hormones involved in pregnancy and lactation.		1 1
10.	What are the effects of hypo-secretions of parathyroid hormones?		1 1
SECTION B			
Q. No.	Answer any TWO of the following with 500 words:	(2 x 10 = 20)	CO KL
11.	Draw the structure of a cell and explain its organelles.		2 2
12.	Explain the general anatomy of the nervous system.		2 2
13.	Elaborate on the mechanism of respiration.		2 2
14.	Discuss the uterine cycle.		2 2
SECTION C			
Q. No.	Answer any TWO of the following with 500 words:	(2 x 10 = 20)	CO KL
15.	Explain the ABO system.		3 3
16.	Draw the structure of the eye and explain its parts.		3 3
17.	Illustrate the structure of the liver and explain its functions.		3 3
18.	Compile the digestion and absorption of carbohydrates		3 3
SECTION D			
Q. No.	Answer any ONE of the following with 1000 words:	(1 x 20 =20)	CO KL
19.	Consolidate the different types of immunity,		4 4
20.	Explain cardiac cycle.		4 4
21.	Discuss the functions of hormones secreted by the thyroid and pancreas.		4 4
SECTION E			
Q. No.	Answer any ONE of the following with 1000 words:	(1 x 20 = 20)	CO KL
22.	Give a brief account on types of tissues and its functions.		5 5
23.	Summarise the physiology of taste and smell.		5 5
24.	Discuss the hyper and hypo-secretion of the pituitary gland.		5 5
