

FIRST SEMESTER EXAMINATION
DIPLOMA IN NATUROPATHY & YOGA SCIENCE
Paper Code: DNYS0102
Paper Name: Human Physiology

Maximum Marks = 70

Maximum Time = 3 Hrs.

The question paper has seven questions. The candidate must attend only five of them. All the questions has equal marks

Question 1.	Discuss the principles and mechanisms of cellular physiology, including the functions of cell membranes, transport mechanisms, and cellular metabolism.	14 Marks
Question 2.	Explain the principles and mechanisms of the nervous system, including the generation and conduction of nerve impulses, synaptic transmission, and the integration of sensory information.	14 Marks
Question 3.	Analyze the principles and mechanisms of the cardiovascular system, including the regulation of blood pressure, cardiac output, and the control of blood flow to different organs.	14 Marks
Question 4.	Discuss the principles and mechanisms of the respiratory system, including the exchange of gases in the lungs, the regulation of breathing, and the transport of oxygen and carbon dioxide in the blood.	14 Marks
Question 5.	Explain the principles and mechanisms of the digestive system, including the processes of digestion, absorption, and the regulation of gastrointestinal functions.	14 Marks
Question 6.	Discuss the principles and mechanisms of the endocrine system, including the functions of major endocrine glands and the regulation of hormone secretion and action.	14 Marks
Question 7.	Analyze the principles and mechanisms of the renal system, including the formation of urine, fluid and electrolyte balance, and the regulation of acid-base balance.	14 Marks