

Time: 3 Hrs.

Marks: 100

Answer all questions and draw well labeled diagrams wherever necessary

Answer Section A and B is separate answer booklets.

Write answer in sequence and strike off all blank pages.

SECTION A (50 Marks)			
2. 3.	Describe the mechanism of gastric acid secretion. Describe the difference gastric juice secretion. Add a note on peptic ulcer. Describe the intrinsic pathway of blood coagulation What is active transport? Explain secondary active transport membrane with example Explain the mechanism of skeletal muscle contraction Explain the physiological basis of: a) Myasthenia gravis	[5]	
	b) Kernicterus in infantsc) Prescribing low-dose aspirin in chronic cardiovascular disordersd) Infants passing stools immediately after feeding		
	e) Edema in protein energy malnutrition	[5]	
7	. Compound nerve action potential Enumerate enzymes secreted from exocrine pancreas. Write a note on	[]	
8	. Write short note on dietary fibre and the benefits of Short Chain Fatty	Acids [3+2=5]	
9	. Write a note on acquired Immunity	[5]	

SECTION B (50 Marks)

1. Describe neural regulation of respiration. Add a note on periodic breathing.		
1. Describe neural regulation of respiration.	[7+3=10]	
 Describe the role of hypothalamus in temperature regulation Define cardiac output. Describe the regulation of cardiac output Describe short term regulation of blood pressure Describe acclimatization to high altitude Draw a neat labelled diagram of lead II electrocardiogram. Mention changes in acute myocardial ischemia Explain the role of surfactant in respiration Explain Hamburger's chloride shift Define and classify shock with examples 	[5] [2+3=5] [5] [5] 1 the ECG [3+2=5] [5] [5] [5]	