2010 Scheme

	First Year BDS D	Reg. N egree Supplementary Exam	lo.: ninations July 2022	
General Human Physiology and Biochemistry Time: 3 Hours • Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space • Answer all parts of a single question together • Leave sufficient space between answers • Draw Diagrams wherever necessary • Write SECTION A and SECTION B in separate Answer books (32 Pages). Do not mix up questions from Section A and Section B.				
-	P CODE:102002 say	Section A - Physiology	Marks: 50 (14)	
1.	. Describe the origin and spread of cardiac impulse. What is the normal heart rate. What are the factors affecting the heart rate (6+1+7)			
Short essays (2x8=16)				
	Define GFR. What is the normal value of GFR. Enumerate and Describe factors affecting GFR. (2+1+5) Describe the actions of insulin. Add a note on Diabetes Mellitus (4+4)			
Short notes (5x4=20)				
5. 6. 7.	Anemia Vital capacity Sarcomere Components of a reflex a Errors of refraction	arc		
Q	P CODE:103002	Section B - Biochemistry	Marks: 50	
	Essay 1. Describe beta oxidation of palmitic acid with energetics. Add a short note on ketogenesis (10+4)			
2.	ort essays Describe glycogenesis and Give the sources, require vitamin D	nd glycogenolysis ed daily allowance, biochemical fur	(2x8=16) nctions, deficiency diseases of	
Short notes (5x4=20)				

Short notes (5X4=20)

- 4. Explain the steps of urea synthesis. Mention the normal serum urea level
- 5. Mention the biochemical functions of thiamine and its deficiency diseases
- 6. Define metabolic acidosis; its causes and lab findings
- 7. Biochemical effects of fluorine in drinking water
- 8. Mention four clinically important enzymes and corresponding diseases
