BACHELOR OF DENTAL SURGERY (2008 COURSE) FIRST - B.D.S. : WINTER :- 2021 SUBJECT: GENERAL HUMAN PHYSIOLOGY & BIOCHEMISTRY

: Wed 16-M			Time: 09:00 AM-12:00 Max. Marks: 70	0 PN
N.B.:	1) 2) 3) 4)	All questions are COMPULSORY . Figures to the right indicate FULL marks. Draw neat labelled diagram WHEREVER nece Both the sections should be written in SEPARA		
		SECTION-I	I	
Q.1		Describe ABO and Rh blood group system. Add a note on erythroblastosis (foetalis.(7+3)		
		OR		
		Define cardiac output. What is its normal value? determining cardiac output. (2+1+7)	Describe various factors	(10
Q.2	,	Write notes on ANY THREE of the following:		(1:
	b) (c)	Physiological actions of growth hormone Transmission of impulse across neuro-muscular jun Properties of reflex action Volumes and capacities of lungs	action	
Q.3		Answer ANY FIVE of the following:		(10
	b) c) d) e)	Functions of Juxta-Glomerular Apparatus Uses of electrocardiogram Mechanisms of homeostasis Functions of gastric juice Functions of pyramidal tracts Actions of testosterone	ļ	
		SECTION-II		
Q.4		Define enzymes. Describe in detail factors affect suitable graphs.	ting enzyme activity with (1+9)	(1)
		OR		
		Describe sources, biochemical functions and def vitamin C.	iciency manifestations of (1+4+5)	(1)
Q.5		Write notes on ANY THREE of the following:	!	(1:
	b) c)	Plasma proteins Functions of phospholipids GTT Chemistry, sources and functions of Vitamin A		
Q.6		Answer ANY FIVE of the following:		(1
	b) c) d) e)	Name any four heteropolysaccharide Define ketosis. Name the ketone bodies Enumerate blood buffers Name important compounds synthesized from tyro Enumerate abnormal hemoglobins Write names and functions of polyunsaturated fatty		