

## **PF-21259** Seat No. \_\_\_\_\_

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## First Year B. D. S. Examination

July - 2018

## Physiology & Biochemistry

Tin	ne : 8	В Нот	ars]					[Tota	1 M	arks :	70
Instructions: (1)					answers r book.	of	each	section	in	separ	ate
			(2)		rs should	d be	brief	and dr	aw	necess	ary
			(3)	Illegib	le writin	g wi	ll not	fetch a	ny 1	marks.	
			(4)	Figure	s to the	righ	t indi	cate ful	lm	arks.	
			$\mathbf{SE}$	CTION	- I : P	HYS	IOLO	GY			
1	Define cardiac output and discuss its regulation.  OR								10		
	Des	Describe the origin and spread of cardiac impulse.									
	Des	CIIDC		19111 4114	spread	01 0	ararac	imp ans	··		
2	Write notes on: (Any Two)								10		
	(a)	· · ·									
	(b)	Posterior pituitary hormones									
	(c)	Fun	Functions of cerebellum								
3	(A)	Write notes on : (Any Two)						10			
	, ,	(a)			trol syste	•					
		(b)									
		(c)	Mictu	rition							
	(B)	Answer in few sentences : (Any Five)						5			
	, ,	(a)			st blood			·	size		
		(b)	Enum	erate er	rors of r	efrac	ction				
		(c)	Name	the ph	ases of a	action	ı pote	ntial			
		(d)	Write	the effe	ects of s	ympa	athetic	stimul	atio	n on	
			cardio	vascular	system						
		(e)	Name	two im	portant	funct	tions o	of Proge	$\operatorname{ster}$	one	
		(f)	Give	the nor	mal valu	ie of	Mea:	n arteri	al k	olood	
			pressu	ıre							

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## SECTION - II : BIOCHEMISTRY, NUTRITION & DIETETICS

Ins	structi	ons :	<ol> <li>Write each section in separate answer sh</li> <li>Draw figure whenever necessary</li> <li>Figures on right indicate marks.</li> <li>Attend all the questions.</li> </ol>	eet.			
4	Des	cribe	Briefly: (Any <b>Two</b> )	10			
	(a)	Lipo	oprotein metabolism				
	(b)	Defi	ciency manifestations of fat soluble vitamins				
	(c)	Reg	ulation of blood glucose level and diabetes mellitus				
5	Short Notes: (Any Two)						
	(a)	Structure and function of Immunoglobulins					
	(b)	Dige	estion and absorption of lipids and disorders				
		asso	ociated with it.				
	(c)	Live	er function tests				
6	(A)	Wri	te Short Notes : (Any <b>Two</b> )	10			
		(a)	Factor affecting calcium absorption. Write on				
			biochemical function of calcium				
		(b)	Primary and secondary structure of proteins				
		(c)	Effect of substrate concentration on enzyme activity.				
			Write on Coenzyme.				
	(B)	Ans	wer the following: (Any Five)	5			
		(a)	CK-MB is better than LDH as a cardiac marker				
		(b)	Human cannot digest cellulose still it is good for				
			health.				
		(c)	Vitamin C helps in Iron absorption				
		(d)	Anticodon is present in t-RNA				
		(e)	Vitamin K play an important role in blood -				
			coagulation				
		(f)	Serum alkaline phosphatase is increased in				
			obstructive Jaundice				