

PAB-21259]

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Seat No. _____

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First Year B. D. S. Examination July - 2020

Physiology & Biochemistry

Tim	ne : S	B Hou	[Total M	Iarks : 70			
Ins	truct	ions	: (1) (2) (3) (4)	Write answers of each section in answer book. Answers should be brief and draw diagrams. Illegible writing will not fetch any Figures to the right indicate full m SECTION - I (Physiology)	necessary		
1				OR igin and spread of cardiac impulse.	10		
2	Wri (a) (b) (c)	Posterior pituitary hormones					
3	(a)	Writ (1) (2) (3)	Hemos Saliva		10		
	(b)		Name Enum Define Write on car Name Give t	few sentences: (any five) smallest blood cell and give its size erate errors of refraction e osmosis the effects of parasympathetic stimul rdiovascular system. two important functions of testostere the normal value of End systolic ventri volume.	ation		

1

SECTION - II (Biochemistry, Nutrition & Dietetics)

4	Describe briefly: (any two)					
	(a)	Organization of Electron transport chain.				
	(b)	Factors affecting Enzyme activity.				
	(c) Beta oxidation of Fatty acid.					
5	Sho	ort notes : (any two)	10			
	(a)	Essentiality of lipid and protein in diet.				
	(b)	Glycogen storage disease.				
	(c)	Mutation - Types, effect and manifestation.				
6	(a)	Write short notes: (any two)	10			
		(1) Explain synthesis, significance and deficiency manifestation of Vitamin D				
		(2) Ketone body formation and degradation with applied aspect.				
		(3) Explain phase I and phase II reaction of Xenobiotics.				
	(b)	Answer the following: (any five)	5			
		(1) Why anemia occurs in lead poisoning?				
		(2) Why alcohol precipitate gouty attack?				
		(3) Vitamin C deficiency leads to anemia.				
		(4) Fat is burned on the wick of carbohydrate.				
		(5) Why iron is called one way element?				
		(6) Methotrexate acts as anticancer drug.				