

JC-21259

Seat No.____

First Year B. D. S. Examination

July - 2019

General Human Physiology

Time	Marks :	70						
Inst	ructi	ons	 (1) Write each section in separate ar (2) Draw figure wherever necessary. (3) Figures on right indicate marks. (4) Attempt all the questions. 	nswer boo	ok.			
SECTION - I								
1			Cardiac cycle? Describe pressure and volu luring cardiac cycle. OR	ume	10			
1	Wha of G		GFR? Describe factors affecting and regu	lation	10			
2	(a)	Actio Func	ort Notes : (Any Two) on potential of nerve fiber. tions of plasma proteins. etes mellitus.		10			
3	(A)	(a) (b)	e Short Notes : (Any Two) Errors of refraction. Hemoglobin-oxygen dissociation curve. Spermatogenesis.		10			
	(B)	(a)(b)(c)(d)(e)(f)	wer in one sentence: (Any Five) What is Stroke volume? What is Hemophilia? What is Surfactant? What is Facilitated diffusion? What is Acromegaly? What is the name of sensory tract for trans of "Fine touch" sensation?	mission	5			
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SECTION - II

(Biochemistry, Nutrition & Dietetics)

4	Describe Briefly : (Any Two)					
	(a)	Glycolysis and its regulation.				
	(b)	Vitamin D: functions & deficiency manifestations.				
	(c)	Homopolysaccharide: examples & significance.				
5	Wri	Write Short Notes: (Any Two)				
	(a)	Structure of Immunoglobulin				
	(b)	Iron: functions & deficiency manifestations				
	(c)	Classification of enzymes				
6	(A)	Write Short Notes : (Any Two)				
		(a) Lipoproteins: types & diagnostic significance				
		(b) Diagnostic significance of enzymes				
		(c) Transfer RNA (t-RNA): structure and functions.				
	(B)) Answer the following : (Any Five)				
		(a) Examples of saturated fatty acids				
		(b) Normal range of calcium in plasma				
		(c) Difference between Hemoglobin and Myoglobin				
		(d) Enumerate function tests for liver				
		(e) Dietary sources of vitamin C.				