Q.P. Code :07264

				[Time: 3 Hours]	[Marks:70]			
			Pleas	se check whether you have got the right question paper.				
		N.B:	1.	All questions are compulsory				
			2.	Figures to the right indicates full marks				
			3.	Draw neat and labeled diagram wherever diagram wherever neces	sary			
Q.1 A)	Answer the following							
	Vii.	ii. Define 'Iso-volumetric Ventricular Contraction'.						
	viii.	i. Define Stroke Volume and enlist the factors affecting it.						
	ix.	. Define Net filtration pressure.						
	х.							
	xi.	xi. Give the general structure and composition of tooth.						
	xii.	xii. State the functions of Renal System.						
В)								
	_	Fill in the Blanks						
	iv.							
	v. vi.	cells secretes pepsinogen and gastric lipase. The Aortic and Pulmonary Valves are known as the						
	VI.	THE AUTHO	anu i	ruillonary valves are known as the				
Q.2 A)	Answer ANY TWO of the following							
	iv.	. Draw a neat and labeled diagram of section of ovary.						
	٧.	v. Describe the role of various accessory sex glands in male reproductive system.						
	vi.	vi. Write a note on sexually transmitted diseases.						
B)	Answer ANY ONE of the following							
	iii.	A V A (J 67 /	n male infertility.				
	iv.	Describe i	ole o	f FSH in menstrual cycle.				
Q.3 A)	Answer ANY TWO of the following							
	ivo	Draw a ne	at and	d labeled diagram showing internal structure of heart.				
	V.\		1	nophysiology of congestive heart failure.				
	S. vi.	vi. Draw a normal ECG. Explain the significance of segments and peaks and its diagnostic use.						
B)	Answer ANY ONE of the following							
		Explain	he ef	ffect of the following on Heart.				
	520	a. Calcium						
		2 C C C C C C C C C C C C C C C C C C C	enalin					
		c. Ace	ylchc	oline A				
		Describ	e the	structure features of capillaries and state its functions				

Q.4 A)	Answer ANY TWO of the following				
	iv) Draw neat and labeled diagram of nephrons.				
	v) Explain the process of urine formation.				
	vi) Explain the structure and function of liver.				
B)	Answer ANY ONE of the following				
	iii. Define: Hypervolemia, Hypernatremia and Hypokalemia.				
	iv. Explain rennin-angiotensin-aldosterone system.				
Q.5 A)	Answer ANY TWO of the following				
	iv) Draw neat and labeled diagram of section of small intestine.				
	v) Describe the process of digestion and absorption of carbohydrates across the GIT.	<u>ي</u>			
	vi) Discuss the function of gall bladder and pancreas.	Y			
B)	Answer ANY ONE of the following				
	iii) Write a note on Reflux Esophagitis.				
	iv) Discuss the pathophysiology of Crohn's disease.				
Q.6 A)	Answer ANY TWO of the following				
	iv) Describe the pathophysiology of Atherosclerosis.				
	v) Write a note on Baro-receptor reflex.				
	vi) Differentiate between pulmonary and systemic circulation.	1			
B)	Answer ANY ONE of the following				
	iii) What does the heart sounds 'lubb and 'dupp' indicate?				
	iv) Write a note on Angina pectoris.				
	\$2 \L. \C. \C. \C. \C. \C. \C. \C. \C. \C. \C				