Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

B. Pharm. - SEMESTER - I (OLD Syllabus) • EXAMINATION - SUMMER • 2015

C-L:			Data 01 07 2015	_
Subje Time	ect Nar	le: 210001 ne: Anatomy Phys ) pm - 05:30 pm	Date: 01-06-2015 siology and Health Education - I Total Marks: 80	
	2. Ma	empt any five questic ake suitable assumptic cures to the right indi	ons wherever necessary.	
Q.1	(a)	*	of blood coagulation.	
	<ul> <li>(b) Write a note on human blood groups.</li> <li>(c) Match the following information in set-A with the most relevant information in set -B.</li> </ul>			5
				5
		Set –A	Set –B	
		I Arthritis	A Inflammatory process of liver	
		II leucocytosis	B Loss of appetite	
		III Leucopenia	C Inflammatory disorder of joint	
		IV Hepatitis	D Increase in numbers of WBC	
		V Anorexia	E Decrease in numbers of WBC	
Q.2	(a)	Enumerate various p	processes that transport substances across the <b>0</b> 0	6
Q. <u>-</u>	(4)	<u> -</u>	Describe in detail active transport process.	U
	(b)	Write a note on mito	1 1	5
	(c)	Define cell. Explain	the basic structure of cell with schematic 0:	5
		diagram.		
0.3	(a)	Write e note en verie	ous types of joints	<u> </u>
Q.3	(a) (b)	Write a note on vario	ous types of joints. 00 tissues. Write a note on epithelial tissue. 05	
	(c)		g organ system in set-A with their most relevant 0:	
	(-)	organs/tissue in set –	· · ·	
		Set –	A Set –B	
		I Lymphatic	A Thoracic cage	
		II Digestive	B Blood	
		III Muscular IV Osseous	C Spleen D Esophagus	
		V Haemopoietic	<ul><li>D Esophagus</li><li>E Skeletal muscles</li></ul>	
		v Haemopoietie	L Skeletal muscles	
Q.4	(a)	Explain the physiolo	ogy of muscle contraction with diagram. 00	6
	(b)	Discuss in brief abou	ut role of histamine in allergy and inflammation. 0:	5
	(c)	Write a note on comp	aposition and function of lymph.	5
Q.5	(a)	Write a note structur	re and functions of various organs of digestive <b>0</b> 0	6
<b>V.</b> 2	(a)	system.	the functions of various organis of digestive	J
	(b)	•	and functions of gastric juice.	5
	(c)	-	e and functions of the liver.	5

Q. 6	(a)	Explain the term immunity. Write a note on acquired immunity.	06
	(b)	Write a note on eicosanoids.	05
	(c)	Describe briefly various phases of gastric secretion.	05
Q.7	(a)	Write a note on anaemia.	06
	(b)	Write a note on bones of the human skull.	05
	(c)	Differentiate various types of muscles.	05

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