

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

# GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. Semester - I<sup>ST</sup> Examination –July- 2011

Subject code: 210001

Subject Name: Anatomy Physiology and Health Education

Date:04/07/2011

Time: 10:30 am – 01:30 pm

Total Marks: 80

**Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a)	Explain structure and function of cell membrane.	06
	(b)	Detail on epithelial tissues.	06
	(c)	Enumerate bones of skull.	04
Q.2	(a)	Write a note on cell cycle.	06
	(b)	Explain protein synthesis by cell organelle.	06
	(c)	Write a note on blood groups	04
Q.3	(a)	Classify joints. Write a note on synovial joints.	06
	(b)	Define clotting of blood. Explain its mechanism.	06
	(c)	Differentiate between cardiac and skeletal muscles.	04
Q.4	(a)	Explain cardiac cycle.	06
	(b)	Describe composition and function of lymph.	06
	(c)	Draw a labeled diagram showing internal structure of heart.	04
Q.5	(a)	Enlist types of immunity. Explain acquired immunity.	06
	(b)	Write a note reticulo-endothelial system.	06
	(c)	Draw a labeled diagram of digestive system.	04
Q. 6	(a)	Describe fat digestion in different parts of G. I. Tract.	06
	(b)	Discuss functions of liver.	06
	(c)	Explain structure and function of hemoglobin.	04
Q. 7	(a)	Discuss composition and function of gastric juice.	06
	(b)	Classify WBCs. Write physiology of them.	06
	(c)	What is blood pressure? Discuss factors affecting it.	04

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