

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – I • EXAMINATION – WINTER • 2014

Subject Code: 210001

Date: 03-01-2015

Subject Name: Anatomy Physiology and Health Education - I

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) Write about cell membrane and mitochondria.	06
	(b) Discuss synovial joints with suitable examples.	05
	(c) Write a note on haemoglobin.	05
Q.2	(a) Describe fully the process of cell division in humans.	06
	(b) Elaborate completely the muscular tissue.	05
	(c) Describe anatomy and physiology of stomach.	05
Q.3	(a) Explain the process of physiology of muscle contraction.	06
	(b) Describe properties of skeletal muscles.	05
	(c) Differentiate between (1) Passive and Active transport. (2) RBC and WBC	05
Q.4	(a) Write about anemia and haemophilia.	06
	(b) Describe epithelial tissue with its locations.	05
	(c) Write a note on lymph.	05
Q.5	(a) Give brief introduction of inflammation.	06
	(b) Write a note on bones of skull.	05
	(c) Describe reticulo-endothelial system.	05
Q. 6	(a) Explain mechanism of blood coagulation. Enlist factors involved in this process.	06
	(b) Write functions of human Liver.	05
	(c) Explain digestion of food in small intestine.	05
Q.7	(a) Define following terms : 1. Physiology 2. Arthritis 3. Hodgkin's disease 4. Anorexia 5. Pinocytosis 6. Transcription	06
	(b) Discuss structure and functions of spleen.	05
	(c) Describe synthesis and functions of histamine.	05
