

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – I • EXAMINATION – WINTER • 2015

Subject Code: 210001

Date: 05-01-2016

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) Enlist different cell organelles and draw clean and neat diagram of cell.	06
	(b) Write mechanics and mechanism of gastric acid secretion.	05
	(c) Enumerate functions of blood and write composition of blood.	05
Q.2	(a) Classify muscles and differentiate between skeletal and smooth muscles.	06
	(b) Give classification of immunity and write a short note on antibodies.	05
	(c) Write anatomy and physiology of spleen.	05
Q.3	(a) Explain different physiological roles of liver.	06
	(b) Define terms: peptic ulcer, hemorrhage, hepatitis, AIDS and edema.	05
	(c) Explain mechanism for generation of action potential.	05
Q.4	(a) Differentiate between active transport and passive transport.	06
	(b) Explain different types of joints.	05
	(c) Write a short note on protein synthesis.	05
Q.5	(a) Give detailed account on source, secretion, formation and functions of serotonin.	06
	(b) Write a short note on formation, storage, secretion and functions of bile juice.	05
	(c) Explain bones of skull.	05
Q. 6	(a) Explain step by step process of Erythropoiesis.	06
	(b) Write a short note on salivary glands.	05
	(c) Give detailed account on physiology of blood clotting.	05
Q.7	(a) Give detailed account on epithelial tissue.	06
	(b) Explain pathway for arachidonic acid metabolism.	05
	(c) Write a short note on anemia.	05
