

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM SEM- II EXAMINATION – SUMMER 2016

Subject code: 220007

Date: 14/06/2016

Subject Name: Human Anatomy Physiology and Health Education-II

Time: 10:30 AM to 1:30 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 the physiology of menstruation.	06
	(b) Draw labeled diagram of Male reproductive system. Write functions of testosterone.	05
	(c) Write a note on structure and functions of skin.	05
Q.2	(a) Draw labeled diagram of cross-section of the eye-ball. Write a note on physiology of vision.	06
	(b) Describe the physiological changes in various systems due to ageing.	05
	(c) Explain the following terms: (I) Acne (II) Asthma (III) Diabetes (IV) Conjunctivitis (V) Meningitis	05
Q.3	(a) Give a detailed note on physiology of urine formation.	06
	(b) Write functions of thyroid gland hormones and growth hormone.	05
	(c) Write causative agents, mode of transmission and preventive measures for (I) Poliomyelitis and (II) Typhoid fever.	05
Q.4	(a) Give a detailed note on reflex action.	06
	(b) Explain the physiological actions of glucocorticoids and mineralocorticoids.	05
	(c) Write a note on natural history of disease.	05
Q.5	(a) Write functions of hypothalamus, cerebrum and medulla oblongata.	06
	(b) What are the charactersitics of hormones? Name the hormones secreted by various endocrine glands.	05
	(c) Write note on indicators of health.	05
Q. 6	(a) Write physiological characteristics of the nerve fiber. Explain electrical transmission in the nerve fiber.	06
	(b) Differentiate sympathetic and parasympathetic nervous system.	05
	(c) Describe the first-aid treatment given in case of snake-bite and burns.	05
Q. 7	(a) Draw a labeled diagram of respiratory system. Explain the mechanism of respiration.	06
	(b) Write a note on cardio-pulmonary resuscitation (CPR) method.	05
	(c) Classify the contraceptive methods. Describe the permanent method of contraception for female.	05
