

Seat No.: _____

Enrolment No. _____

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: **05**
(I) Acne (II) Asthma (III) Diabetes (IV) Conjunctivitis (V) Meningitis
- 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 characteristics 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**
