

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm - SEMESTER- II - EXAMINATION – SUMMER-2017**

**Subject Code:220007**

**Date: 09/06/2017**

**Subject Name: HUMAN ANATOMY PHYSIOLOGY AND HEALTH  
EDUCATION-II**

**Time: 10:30 AM to 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.

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|-------------|-----|---|-----------|
| <b>Q.1</b>  | (a) | Describe the first aid treatment of burns.  | <b>06</b> |
|             | (b) | Write a note on functions of skin.  | <b>05</b> |
|             | (c) | Discuss the mechanics and mechanism of respiration.   | <b>05</b> |
| <b>Q.2</b>  | (a) | Draw a labeled diagram of eye. Write about physiology of vision.                                  | <b>06</b> |
|             | (b) | Draw a labeled diagram of spinal cord. Write its function in detail.                              | <b>05</b> |
|             | (c) | Write in brief on causative agent, mode of spread, prevention and treatment of influenza.         | <b>05</b> |
| <b>Q.3</b>  | (a) | Draw a neat and labeled diagram of Nephron. Explain in brief about physiology of urine formation. | <b>06</b> |
|             | (b) | Describe formation, storage and release of thyroid hormones.                                      | <b>05</b> |
|             | (c) | Explain the stages of Menstrual Cycle.  | <b>05</b> |
| <b>Q.4</b>  | (a) | Explain the anatomy of female reproductive system.  | <b>06</b> |
|             | (b) | Write a note on physiology of hearing.  | <b>05</b> |
|             | (c) | Write a note on first aid treatment of poisoning.   | <b>05</b> |
| <b>Q.5</b>  | (a) | Describe the various methods of family planning.  | <b>06</b> |
|             | (b) | Write a note on electroencephalogram (EEG).   | <b>05</b> |
|             | (c) | Differentiate parasympathetic and sympathetic system.   | <b>05</b> |
| <b>Q. 6</b> | (a) | Draw a neat and labeled diagram of brain and enumerate function of each part.                     | <b>06</b> |
|             | (b) | Enumerate hormones of Pancreas. Describe the functions of Insulin.                                | <b>05</b> |
|             | (c) | Write a note on physiology of ageing.   | <b>05</b> |
| <b>Q.7</b>  | (a) | Explain the terms: Bronchial Asthma, Vital capacity, Cataract, Renal calculi, Diabetes.           | <b>06</b> |
|             | (b) | Describe demography cycle.  | <b>05</b> |
|             | (c) | Write causative organism, mode of transmission, symptoms and preventive measures of Cholera.      | <b>05</b> |

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