

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

**Subject Code: 220004**

**Date: 09/06/2017**

**Subject Name: Anatomy Physiology & 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) Draw neat & Clean labeled diagram of Ear & Explain Physiology of Hearing | <b>06</b> |
|            | (b) Enumerate & function of each cranial nerves                              | <b>05</b> |
|            | (c) Write short note on CSF  | <b>05</b> |
| <b>Q.2</b> | (a) Discuss the Physiology of Urine formation                                | <b>06</b> |
|            | (b) Write down difference between cholinergic & adrenergic System            | <b>05</b> |
|            | (c) Explain Following Terms:   | <b>05</b> |
|            | a) Renal Calculi   |           |
|            | b) Tidal Volume  |           |
|            | c) Diabetes mellitus   |           |
|            | d) Vital Capacity  |           |
|            | e) Meningitis  |           |
| <b>Q.3</b> | (a) Discuss Physiology of Menstrual Cycle                                    | <b>06</b> |
|            | (b) Draw neat & Clean diagram of Eye & explain glaucoma in brief             | <b>05</b> |
|            | (c) Write short note on Cerebral Cortex                                      | <b>05</b> |
| <b>Q.4</b> | (a) Write note on Physiology of Ageing Process                               | <b>06</b> |
|            | (b) What is reflex Action? Explain reflex arch with suitable diagram         | <b>05</b> |
|            | (c) Draw neat & Clean diagram of Female Reproductive System                  | <b>05</b> |
| <b>Q.5</b> | (a) Describe biosynthesis, storage & Transport of Thyroid Hormones           | <b>06</b> |
|            | (b) Write down function of Hypothalamus                                      | <b>05</b> |
|            | (c) Discuss the Spermatogenesis  | <b>05</b> |
| <b>Q.6</b> | (a) Write down detail mechanism of Respiration                               | <b>06</b> |
|            | (b) Write down function of Skin  | <b>05</b> |
|            | (c) Discuss Physiology of Vision   | <b>05</b> |
| <b>Q.7</b> | (a) Write down synthesis, release of Acetylcholine                           | <b>06</b> |
|            | (b) Draw neat & clean Diagram of Nephron                                     | <b>05</b> |
|            | (c) Explain Following Terms:   | <b>05</b> |
|            | a) Dysmenorrhea  |           |
|            | b) Myopia  |           |
|            | c) Cystitis  |           |
|            | d) Cushing Syndrome  |           |
|            | e) Goiter  |           |

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