

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM – SEMESTER – 2- EXAMINATION – WINTER - 2018**

**Subject Code:2220004**

**Date: 15/12/2018**

**Subject Name: Human Anatomy Physiology-II**

**Time:02:30 PM TO 05:30 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 well labeled diagram of female reproductive system.                     | <b>06</b> |
|             | (b) Explain physiology of urine formation in brief.                              | <b>05</b> |
|             | (c) Explain in brief about physiology of equilibrium.                            | <b>05</b> |
| <b>Q.2</b>  | (a) Write comparison of sympathetic and parasympathetic system.                  | <b>06</b> |
|             | (b) Draw well labeled diagram of Eye.  | <b>05</b> |
|             | (c) Write a note on Cranial nerves.  | <b>05</b> |
| <b>Q.3</b>  | (a) Write a note on control and regulation of respiration.                       | <b>06</b> |
|             | (b) Write a note on menstruation.  | <b>05</b> |
|             | (c) Write a note on pancreatic hormone.  | <b>05</b> |
| <b>Q.4</b>  | (a) Write structural and functional classification of neuron.                    | <b>06</b> |
|             | (b) Explain in brief functions of cerebrum and medulla oblongata.                | <b>05</b> |
|             | (c) Define following terms.  | <b>05</b> |
|             | i) Cataract ii) Parkinson disease iii) Oogenesis iv) Gynecomastia<br>v) Caliculi |           |
| <b>Q.5</b>  | (a) Define the following terms.  | <b>06</b> |
|             | i) SIDS ii) COPD iii) EPSP iv) CSF v)Dementia vi) Hirsutism                      |           |
|             | (b) Write a note on thyroid gland.   | <b>05</b> |
|             | (c) Explain in brief on olfactory nerve  | <b>05</b> |
| <b>Q. 6</b> | (a) Write a note on reflex arc.  | <b>06</b> |
|             | (b) Explain in brief Meninges  | <b>05</b> |
|             | (c) Explain in brief about respiratory volumes.                                  | <b>05</b> |
| <b>Q.7</b>  | (a) Explain in brief about limbic system and reticular formation.                | <b>06</b> |
|             | (b) Write a note on various contraceptive methods.                               | <b>05</b> |
|             | (c) Write a note on adrenal gland.   | <b>05</b> |

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