

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.**

- Q.1** (a) Draw well labeled diagram of female reproductive system. **06**  
(b) Explain physiology of urine formation in brief. **05**  
(c) Explain in brief about physiology of equilibrium. **05**
- Q.2** (a) Write comparison of sympathetic and parasympathetic system. **06**  
(b) Draw well labeled diagram of Eye. **05**  
(c) Write a note on Cranial nerves. **05**
- Q.3** (a) Write a note on control and regulation of respiration. **06**  
(b) Write a note on menstruation. **05**  
(c) Write a note on pancreatic hormone. **05**
- Q.4** (a) Write structural and functional classification of neuron. **06**  
(b) Explain in brief functions of cerebrum and medulla oblongata. **05**  
(c) Define following terms. **05**  
i) Cataract ii) Parkinson disease iii) Oogenesis iv) Gynecomastia  
v) Caliculi
- Q.5** (a) Define the following terms. **06**  
i) SIDS ii) COPD iii) EPSP iv) CSF v) Dementia vi) Hirsutism  
(b) Write a note on thyroid gland. **05**  
(c) Explain in brief on olfactory nerve **05**
- Q. 6** (a) Write a note on reflex arc. **06**  
(b) Explain in brief Meninges **05**  
(c) Explain in brief about respiratory volumes. **05**
- Q.7** (a) Explain in brief about limbic system and reticular formation. **06**  
(b) Write a note on various contraceptive methods. **05**  
(c) Write a note on adrenal gland. **05**

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