

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm – SEMESTER II • EXAMINATION – WINTER 2016

Subject Code: 2220004**Date: 09/01/2017****Subject Name: Human Anatomy Physiology-II****Time: 02.30 pm – 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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| Q.1 | (a) | Draw a labeled diagram of functional unit of kidney. Explain physiology of urine formation. | 06 |
| | (b) | Give functions of Glucocorticosteroids. | 05 |
| | (c) | Write a note on electroencephalogram (EEG). | 05 |
| Q.2 | (a) | Draw a neat and labeled diagram of Brain. Write the function of Hypothalamus. | 06 |
| | (b) | Describe physiology of hearing with suitable diagram. | 05 |
| | (c) | What is menstruation? Write in detail about various phases of menstrual cycle. | 05 |
| Q.3 | (a) | Explain anatomy of male reproductive system with neat and labeled diagram. | 06 |
| | (b) | Write a note on acid base imbalance. | 05 |
| | (c) | Write about functions and disorders of growth hormone. | 05 |
| Q.4 | (a) | Write functions of following
1. Testosterone 2. Ovary | 06 |
| | (b) | Define reflex action. Explain propagation through reflex arc, classifying its types. | 05 |
| | (c) | Describe lung function test. | 05 |
| Q.5 | (a) | Explain following terms.
1. Renal calculi 2. Deafness 3. Asthma | 06 |
| | (b) | Classify hormones. Add a note on hormone obtained from β -cells of islets of langerhans. | 05 |
| | (c) | Write a note on Cranial nerves. | 05 |
| Q. 6 | (a) | Draw a neat and labeled diagram of following
1. Female reproductive system 2. Respiratory system | 06 |
| | (b) | Explain synthesis, storage and release of thyroid gland hormones. | 05 |
| | (c) | Write a short note on internal respiration. | 05 |
| Q.7 | (a) | Draw a neat and labeled diagram of Eye. Explain the Physiology of Vision. | 06 |
| | (b) | Enlist various contraceptive methods. Explain surgical methods of family planning. | 05 |
| | (c) | Write a note on medulla oblongata. | 05 |
