

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.

- 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 **06**
1. Testosterone 2. Ovary
(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. **06**
1. Renal calculi 2. Deafness 3. Asthma
(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 **06**
1. Female reproductive system 2. Respiratory system
(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**
