

**GUJARAT TECHNOLOGICAL UNIVERSITY****B. Pharm. – SEMESTER II • EXAMINATION – WINTER 2015****Subject Code: 220004****Date: 17/12/2015****Subject Name: Anatomy Physiology & Health Education-II****Time: 2.30 pm to 5.30 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) Define Neurotransmitter. Write different neurotransmitter and their function in CNS. **06**  
(b) Draw the labeled diagram of nephron. **05**  
(c) Write a note on hormones required for calcium homeostasis. **05**
- Q.2** (a) Describe in detail various phases of menstrual cycle. **06**  
(b) Write a note on physiology of internal respiration. **05**  
(c) Draw labeled diagram of eye ball. **05**
- Q.3** (a) What is meninges? Write composition and function of C.S.F. **06**  
(b) Write physiology of thyroid hormone. **05**  
(c) Enumerate pituitary hormones and write functions of gonadotrophins. **05**
- Q.4** (a) Give difference between somatic nervous system and autonomic nervous system **06**  
(b) Draw labeled diagram of female reproductive system. **05**  
(c) Describe physiology of aging. **05**
- Q.5** (a) Describe physiology of urine formation. **06**  
(b) Classify nervous system. Write functions of medulla oblongata. **05**  
(c) Write a note on physiology of hearing. **05**
- Q. 6** (a) Explain term: (1)Asthma (2) Cushing syndrome (3) Glaucoma **06**  
(b) Describe various sensory receptor of skin and their function. **05**  
(c) Draw labeled diagram of reflex arc. **05**
- Q.7** (a) Enumerate methods of contraception and explain in detail any one method. **06**  
(b) Write first aid treatment of poisoning. **05**  
(c) Write a note on adrenal cortex. **05**

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