

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.

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|-------------|-----|--|-----------|
| 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 |
