

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BPHARM – SEMESTER – II • EXAMINATION – WINTER 2012

Subject code: 220004

Date: 10-01-2013

Subject Name: Anatomy, Physiology & Health Education-II

Time: 10:30 am – 01:30 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) What is Tidal volume? Explain mechanism of Respiration. (6)
(b) Write a note on: Cerebrospinal Fluid (5)
(c) Draw a neat and labeled diagram of Nephron. (5)
- Q. 2 (a) Give actions of Acetylcholine on: (6)
(i) Heart (ii) Exocrine secretions (iii) Gastrointestinal tract
(b) Give steps for first aid treatment of Burns. (5)
(c) Write functions of following parts of Ear : (5)
(i) Semicircular canals (ii) Cochlea (iii) Tympanic membrane
- Q. 3 (a) Discuss: Tubular reabsorption step of urine formation (6)
(b) Write functions of Hypothalamus. (5)
(c) Describe with appropriate diagram: Internal structure of Heart (5)
- Q. 4 (a) Explain: Indicators of Health (6)
(b) Define: Cardiac output. Discuss factors controlling it. (5)
(c) What are the functions of Medulla Oblongata? (5)
- Q. 5 (a) Discuss: Cardiac Cycle (6)
(b) Give general properties of Hormones. (5)
(c) Enumerate and write functions of each Cranial nerve. (5)
- Q. 6 (a) Describe: Functions of Skin (6)
(b) Name the hormones of Thyroid gland with functions. (5)
(c) Discuss: Physiology of Menstrual cycle (5)
- Q. 7 Write short notes on the followings: (16)
(i) Rods and Cones (ii) Adrenaline
(iii) Ageing (iv) Respiratory centers
