

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER-II EXAMINATION – WINTER -2017**Subject Code: 220007****Date: 03/01/2018****Subject Name: Human Anatomy Physiology and Health Education-II****Time: 02:30pm to 05:30pm****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) Write a note on first aid treatment of poisoning. **06**
(b) Explain the physiology of menstruation. **05**
(c) Write a brief note on structure and functions of skin. **05**
- Q.2** (a) Draw a neat and labeled diagram of brain and enumerate function of each part. **06**
(b) Draw labeled diagram of cross-section of the eye-ball. Write a note on physiology of vision. **05**
(c) Enumerate hormones of Pituitary gland. Write a brief note on anterior pituitary gland hormones. **05**
- Q.3** (a) Differentiate between i) Sympathetic and Parasympathetic system **06**
ii) Artery and Vein
(b) Classify the contraceptive methods. Describe the permanent method of contraception for female. **05**
(c) Give a detailed note on reflex action. **05**
- Q.4** (a) Draw a neat and labeled diagram of Nephron. Explain in brief about physiology of urine formation. **06**
(b) Draw a labeled diagram of respiratory system. Explain the mechanism of respiration. **05**
(c) Describe the physiological changes in various systems due to ageing. **05**
- Q.5** (a) Draw a labeled diagram of spinal cord. Write its function in detail. **06**
(b) Enumerate hormones of Pancreas. Describe the functions of Insulin. **05**
(c) Define: i) Glaucoma ii) Asthma iii) Calculi iv) Diabetes mellitus v) Goitre. **05**
- Q. 6** (a) Describe physiology of hearing with suitable diagram. **06**
(b) Describe the first-aid treatment given in case of snake-bite and burns. **05**
(c) Describe demography cycle **05**
- Q.7** (a) Write in brief about causative agents, mode of spread, prevention and treatment of chicken pox. **06**
(b) Write a note on respiratory volumes. **05**
(c) Describe formation, storage and release of thyroid hormones. **05**
