

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
ii) Artery and Vein | 06 |
| | (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 |
