

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER- II • EXAMINATION – WINTER-2022

Subject Code: BP201TP**Date: 15/02/2023****Subject Name: Human Anatomy and Physiology 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.

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| Q.1 | (a) Write a note on organization of nervous system & Draw a labelled diagram of Neuron. | 06 |
| | (b) Give the composition of gastric juice. Explain the digestion and absorption of nutrients in stomach. | 05 |
| | (c) Explain the following terms: Diabetes mellitus, micturition, spermatogenesis, Alzheimer's disease, Asthma. | 05 |
| Q.2 | (a) Draw a neat and labelled diagram of nephron. Explain in brief about physiology of urine formation. | 06 |
| | (b) Draw a neat and clean diagram of Brain. | 05 |
| | (c) Explain the physiology of menstruation. | 05 |
| Q.3 | (a) Explain physiology of nerve conduction. Give the functions of Medulla oblongata. | 06 |
| | (b) Draw a detailed structure of Digestive system of human body. | 05 |
| | (c) Write a detailed note on protein synthesis. | 05 |
| Q.4 | (a) Draw a labelled diagram of respiratory system. Explain the mechanism of internal respiration. | 06 |
| | (b) Enumerate methods of contraception and explain in detail any one method. | 05 |
| | (c) Draw a labelled diagram of reflex arc. | 05 |
| Q.5 | (a) Enlist hormones of Pituitary gland. Write a brief note on anterior pituitary gland. | 06 |
| | (b) Write a note on electroencephalogram (EEG). | 05 |
| | (c) Explain regulation of gastric secretion and motility. | 05 |
| Q.6 | (a) Write a short note on Renin - Angiotensin System. | 06 |
| | (b) Draw a labelled diagram of female reproductive system. | 05 |
| | (c) Write a short note on anatomy and physiology of small Intestine. | 05 |
| Q.7 | (a) Write a note on supra renal gland & its hormones. | 06 |
| | (b) Write a short note on liver. | 05 |
| | (c) Discuss Cranial nerves in detail. | 05 |
