

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER-II • EXAMINATION – SUMMER -2021

Subject Code: BP201TP**Date: 26/08/2021****Subject Name: Human Anatomy and Physiology II****Time: 10:30AM to 01:30PM****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 Salivary gland and function of saliva. | 06 | | | | | | |
| | (b) Discuss in detail mechanism of Respiration. | 05 | | | | | | |
| | (c) Write in detail physiology of Reflex mechanism. | 05 | | | | | | |
| Q.2 | (a) Write in detail physiology of Liver. | 06 | | | | | | |
| | (b) Draw neat and clean diagram of Female reproductive system. | 05 | | | | | | |
| | (c) Describe in detail Lung Volume. | 05 | | | | | | |
| Q.3 | (a) Write down synthesis, storage, release and function of Thyroid hormone. | 06 | | | | | | |
| | (b) Discuss in detail about Cerebrum. | 05 | | | | | | |
| | (c) Write down the physiology of Menstruation. | 05 | | | | | | |
| Q.4 | (a) Write detail note on Adrenal cortex. | 06 | | | | | | |
| | (b) Discuss in detail Mechanism of Gastric acid secretion and function of Gastric juice. | 05 | | | | | | |
| | (c) Explain the structure of DNA with Diagram. | 05 | | | | | | |
| Q.5 | (a) Enlist the hormone secreted from Pituitary gland. Write in detail function and disorder related to Growth hormone. | 06 | | | | | | |
| | (b) Write a note on Protein synthesis. | 05 | | | | | | |
| | (c) Define following term with example (Any five) | 05 | | | | | | |
| | <table style="width: 100%; border: none;"> <tbody> <tr> <td style="width: 33%;">1. Renal calculi</td> <td style="width: 33%;">2. Peptic ulcer</td> <td style="width: 33%;">3. Asthma</td> </tr> <tr> <td>4. Chromosome</td> <td>5. BMR</td> <td>6. Acromegali</td> </tr> </tbody> </table> | 1. Renal calculi | 2. Peptic ulcer | 3. Asthma | 4. Chromosome | 5. BMR | 6. Acromegali | |
| 1. Renal calculi | 2. Peptic ulcer | 3. Asthma | | | | | | |
| 4. Chromosome | 5. BMR | 6. Acromegali | | | | | | |
| Q. 6 | (a) Detail note on hormone secreted from Pancreas and disorder related to it. | 06 | | | | | | |
| | (b) Write down in detail about synthesis, storage, release, action and degradation of Acetyl choline. | 05 | | | | | | |
| | (c) Discuss in detail Renin angiotensin system. | 05 | | | | | | |
| Q.7 | (a) Explain the physiology of Urine Formation. | 06 | | | | | | |
| | (b) Detail note on Artificial resuscitation method. | 05 | | | | | | |
| | (c) 1. Draw figure of Neuron. | 05 | | | | | | |
| | 2. Write a note on Cerebrospinal fluid. | | | | | | | |
