

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 1 EXAMINATION – SUMMER -2019

Subject Code: BP101TP**Date: 28-05-2019****Subject Name: Human Anatomy and Physiology I****Time: 10:30 AM TO 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.

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| Q.1 | (a) Write a short note on cardiac cycle. | 06 |
| | (b) Discuss about human skin and draw clean and neat diagram of it. | 05 |
| | (c) Classify joints and explain synovial joints. | 05 |
| Q.2 | (a) Explain structure of bone. | 06 |
| | (b) Write a short note on erythropoiesis. | 05 |
| | (c) Discuss and draw clean and neat diagram of spleen. | 05 |
| Q.3 | (a) Differentiate between sympathetic and parasympathetic nervous system. | 06 |
| | (b) Explain structure of retina with clean and neat diagram. | 05 |
| | (c) Write a short note on physiology of hearing. | 05 |
| Q.4 | (a) Explain anatomy of human heart. | 06 |
| | (b) Give detailed account on nervous tissue. | 05 |
| | (c) Short note on simple epithelial tissue. | 05 |
| Q.5 | (a) Explain structure of cell membrane with clean and neat diagram. | 06 |
| | (b) Write a short note on blood groups. | 05 |
| | (c) Short note on synthesis, storage, release and metabolism of nor adrenaline. | 05 |
| Q. 6 | (a) Write anatomy and physiology of tongue. | 06 |
| | (b) Write about hypertension, angina pectoris and congestive heart failure. | 05 |
| | (c) Discuss about blood clotting. | 05 |
| Q.7 | (a) Explain internal ear with diagram. | 06 |
| | (b) Write a short note on anemia. | 05 |
| | (c) Discuss anatomy of lymph node with clean and neat diagram. | 05 |
