

Seat No.: _____

Enrolment No. _____

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.

- 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**
