

**Hemchandracharya North Gujarat University, Patan**  
**Bachelor of Vocation**  
**'Pharmaceutical Chemistry' Semester - I**  
**External Examination, December, 2018**  
**Subject: Human Anatomy and physiology**  
**PC 115**

**Time: 2 hrs**

**Date:**

**Maximum marks: 50**

**Q.1 Answer any 9 questions. Each question carries 1 mark (9\*1=9Marks)**

**(OBJECTIVE QUESTIONS)**

1. In human heart the deoxygenated blood is transfer in one artery give the name:  
(a) Aorta (b) Left Artery (c) Pulmonary Artery (d) Both A & B
2. The normal life span of RBC in human body is \_\_\_\_\_
3. What is a full form of IVF?
4. Insulin secreted by Pancreas. True/False
5. Deficiency of Vitamin B6 leads to which disease?  
(a) Scurvy (b) Beri beri (c) Pellagra (d) Pernicious anaemia
6. Give name of the Different types of Blood Group.
7. Full form of ECG
8. pH of Stomach is \_\_\_\_\_
9. Typhoid disease detected by:  
(a) ELISA (b) Widal Test (c) Northern Blot (d) Western Blot

**Q. 2 Answer any 5 questions. Each question carries 4 marks (5\*4=20 Marks)**

**(SHORT QUESTIONS)**

1. Explain disorders of Respiratory system.
2. Give difference between mitosis and meiosis in brief.
3. Explain ECG
4. Differentiate between Prokaryotes and Eukaryotes.
5. List out disorders of Digestive system.

**Q.3 Answer any 3 questions. The question carries 07 marks (3\*7=21 Marks)**

**(DESCRIPTIVE QUESTIONS)**

1. Explain the Cell Membrane structure and function.
2. Explain digestion of Carbohydrates.
3. Explain the internal structure of the Heart
4. Explain ABO Blood grouping system.