

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D, May - 2018 Examination

Year: 1**Subject Code: 08207101****Subject Name: Human Anatomy & Physiology****Date: 07/05/2018****Time: 10:00am to 1:00pm****Total Marks: 70****Instructions**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)

1. Draw and explain various Blood vessels and circulation in Pulmonary, coronary and systemic circulation. Explain the terms Myocardial infarction, Congestive heart failure.
2. Discuss Anatomy and physiology of urinary system & explain the process of urine formation. Enlist the functions of Juxtaglomerular apparatus.
3. Describe the names of Cranial nerves and their functions. Write various functions of Thalamus, hypothalamus and Basal Ganglia?

Q.2 Short Essay Type Questions. (any 4 out of 5) (5 Mark Each) (20)

1. Discuss detail Renin Angiotensin system
2. Explain the normal conduction pathway of heart and correlate the events in electrocardiogram.
3. Explain the Physiology of Muscle contraction.
4. Write a note on Anatomy and physiology of mid brain
5. Describe in detail functions of various components of cell.

Q.3 Short Answers. (2 Mark Each) (20)

1. Explain the term Cardiac arrhythmias.
2. Write a note on structure and functions of spleen.
3. Draw a neat labeled diagram of Eye.
4. Classify nervous system.
5. Differentiate between sympathetic & parasympathetic nervous system.
6. Explain the terms Arteriosclerosis & Angina.
7. Write a note on Adrenal gland.
8. Describe various types of Contraceptive devices and their uses.
9. What do you mean by the term Clearance tests?
10. Write a note on heart sounds.