

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. Summer 2017-18 Examination

Semester: 1**Subject Code: 08101103****Subject Name: Human Anatomy, Physiology and Health Education-I****Date: 02/06/2018****Time: 02:00PM TO 05:00PM****Total Marks: 75****Instructions:**

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

Q.1 Essay type Questions. (Any 2 out of 3) (10 marks each) (20)

1. Elaborate on mechanism of blood coagulation process.
2. Explain in detail about physiology of digestion and absorption.
3. Write in detail about cardiac cycle and heart sounds.

Q.2 Short Essay type Questions. (Any 7 out of 9) (5 marks each) (35)

1. Explain various types of transporter system that exist across plasma membrane.
2. Discuss about Renin-Angiotensin system and its significance in the body.
3. Write in short about physiology of muscle contraction.
4. Explain ECG and its components with respect to changes in heart functions.
5. Write note on extracellular fluids and its functions.
6. Explain various types of movements possible at joints.
7. Explain about M phase of cell division.
8. Describe about nervous tissue with respect to types of cells, characteristics and functions.
9. Write about composition and functions of blood.

Q.3 Answer in short. (2 marks each) (20)

1. Write about various cardiovascular disorders.
2. Define hemopoiesis process.
3. Write the role of spleen in the body.
4. Classify epithelial tissue.
5. Define ipsilateral and contralateral position & give example.
6. Write the functions of liver.
7. Write about disorders of muscular system.
8. Draw the labelled diagram of digestive system.
9. Briefly explain principle behind blood group identification.
10. Define cardiac output.