

**PARUL UNIVERSITY**  
**FACULTY OF MEDICINE**  
**M.B.B.S., September - 2018 Examination**

**Year: 1****Subject Code: 19100103****Subject Name: Physiology - I****Date: 03/10/2018****Time: 10:30 am to 1:00 pm****Total Marks: 50****Instructions:**

1. Attempt all questions from each section.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Write section-A, section-B, section-C on separate answer sheets.

**SECTION – A**

**Q.1** Define arterial blood pressure and describe factors affecting it. Explain role of renin angiotensin mechanism to regulate it. **(10)**

**Q.2 Discuss on: (Attempt any Two)** **(08)**

1. Positive feedback
2. Humoral immunity
3. Surfactant

**SECTION – B**

**Q.1 Describe physiological basis of: (Attempt any 3)** **(15)**

1. Glomerular filtration rate
2. Erythroblastosis fetalis
3. Digestion of lipids
4. Osmosis

**SECTION – C**

**Q.1 Write Briefly On: (Attempt any Four)** **(12)**

1. Erythropoietin
2. SA node
3. Dead space
4. Functions of saliva
5. Micturition reflex

**Q.2 MCQ/One Word Question/Answer in one sentence:** **(05)**

1. Which is the major mechanism for absorption of sodium from the small intestine?
2. Where is the basic respiratory rhythm generated?
3. What is the normal value of inspiratory capacity?
4. In which part of nephron; Potassium-sparing diuretics act?
5. Which clotting factor's deficiency causes hemophilia?