

**PARUL UNIVERSITY**  
**FACULTY OF MEDICAL SCIENCE & RESEARCH**  
**M.B.B.S, Examination, July - 2017**

**Year: 1****Subject Code: 19100103****Subject Name: Physiology Paper- I****Date: 28/07/2017****Time: 10:00am to 12:30pm****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 on separate answer sheets.

**SECTION – A****Q.1 Define Electrocardiogram. Discuss the various waves of ECG. What is heart block? (10)****Q.2 Discuss on: (any Three) (15)**

- a) Juxtaglomerular Apparatus
- b) Hypoxia
- c) Erythroblastosis foetalis
- d) Compare and contrast hepatic and gall bladder bile.

**SECTION – B****Q.1 Write short notes on: (any two) (08)**

- a) Movements of small intestine
- b) Forced expiratory volume in one second
- c) Feedback gain

**Q.2 Write briefly on: (any four) (12)**

- a) Plateau potential
- b) Creatinine clearance
- c) Lymph.
- d) Functional residual capacity
- e) Mitochondria.

**Q.3 Answer in one word. (05)**

- a) Absence of secretion of \_\_\_\_\_ juice can result in Steatorrhea.
- b) \_\_\_\_\_ cells in renal tubule secrete H<sup>+</sup> ions by primary active transport mechanism.
- c) Injection of antirabies vaccine is an example \_\_\_\_\_ type of immunity.
- d) The Anatomical dead space is ----- ml.
- e) Iron deficiency can result in \_\_\_\_\_ anaemia.