

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⁺ 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.