

Seat No: \_\_\_\_\_

Enrollment No: \_\_\_\_\_

**PARUL UNIVERSITY**  
**FACULTY OF MEDICINE**  
**M.B.B.S, September-2019 Examination**

**Year: 1**

**Subject Code: 19100104**

**Subject Name: Physiology Paper- II**

**Date: 28/09/2019**

**Time: 10:30 am to 01:00pm**

**Total Marks: 50**

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**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. Long essay Question : **(1x10=10)**  
Enumerate the descending tracts of spinal cord.. Describe origin, course and functions of pyramidal tract. Add a note on lesions.
- Q.2. Short notes on (any 2) **(2 x 4 = 8)**
- a. Accomodation of eye
  - b. Taste sensation
  - c. Functions of middle ear

**Section B**

- Q.3. Write briefly on ( any 3). **(3 x 5 = 15)**
- a. Growth hormone
  - b. Parathyroid hormone
  - c. Glucocorticoids.
  - d. Corpus luteum.

**Section C**

- Q. 4 Write notes on (any 4) **( 4x3=12)**
- a. Functions of placenta
  - b. Reflex arc
  - c. Saltatory nerve conduction
  - d. Heat loss mechanisms
  - e. Rigor mortis
- Q.5. One word Question/ Answer in one sentence : **(1x5=5 )**
- a. Myopia is corrected with the help of ----- lens..
  - b. Cretinism is caused by ----- in newborn.
  - c. Basis of pregnancy test is the ----- hormone.
  - d. Intention tremor is seen in ----- disease.
  - e. Shivering causes ----- of body heat.