

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

**Year: 1****Subject Code: 19100104****Subject Name: Physiology- II****Date: 31/07/2017****Time: 10.00 am to 12.30 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 on separate answer sheets.

**SECTION – A**

- Q.1** Enumerate the ascending tracts. Describe the pathway for transmission of pain from left hand to cerebral cortex. **(10)**
- Q.2 Write short notes on: (any three)** **(15)**
- a) Astigmatism
  - b) Mechanisms of heat gain
  - c) Spermatogenesis
  - d) Excitation contraction coupling.

**SECTION – B**

- Q.1 Write briefly on: (any four)** **(12)**
- a) Weber fechner law.
  - b) Somatomedin
  - c) Color vision
  - d) Mechanism of hormonal action.
  - e) Anti diuretic hormone.
- Q.2 Discuss on: (any two)** **(08)**
- a) EEG
  - b) Salutatory Conduction
  - c) Organ of Corti
- Q.3 Answer in one word.** **(05)**
- a) The tip of the tongue has maximum receptors for ----- taste
  - b) Parkinsonism is a result of destruction to \_\_\_\_\_ fibers of basal ganglia.
  - c) Active sites on actin filament is blocked at rest by \_\_\_\_\_
  - d) \_\_\_\_\_ is a site for lumbar puncture.
  - e) Testosterone is secreted by \_\_\_\_\_ cells.