

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.