

PARUL UNIVERSITY
FACULTY OF MEDICAL SCIENCE & RESEARCH
M.B.B.S Supplementary Examination September - 2017

Year: 1**Subject Code: 19100104****Subject Name: Physiology Paper- II****Date: 26/09/2017****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. Draw well labelled diagrams wherever necessary.
4. Write section-A, section-B on separate answer sheets.

SECTION – A

- Q.1** Explain the functions of cerebellum in detail. Enumerate the clinical features of cerebellar dysfunction. (10)
- Q.2 Discuss on: (any three)** (15)
- (a) Accommodation reflex
 - (b) Mechanism of heat gain
 - (c) Phases of menstrual cycle
 - (d) Myaesthesia gravis

SECTION – B

- Q.1 Write short notes on: (any two)** (08)
- (a) Facilitated diffusion
 - (b) Rhodopsin cycle
 - (c) Properties of Receptors
- Q.2 Write briefly on: (any four)** (12)
- (a) Diabetes mellitus
 - (b) Deafness
 - (c) ADH
 - (d) CSF
 - (e) Stretch reflex
- Q.3 Answer in one word / MCQ** (05)
1. T_3 is _____ times more effective than T_4
 - (a) Two
 - (b) Four
 - (c) Six
 - (d) Eight
 2. The area of brain responsible for higher I.Q. function is
 - (a) Motor speech area
 - (b) Primary motor area
 - (c) Primary sensory area
 - (d) Wernicke's area
 3. The term myopia means
 - (a) Difficulty in focusing far object
 - (b) Difficulty in focusing near object
 - (c) Failure of accommodation of eye
 - (d) Eyes with normal vision
 4. Main nutritional supply for the spermatozoa is
 - (a) Glucose
 - (b) Fructose
 - (c) Lactose
 - (d) Galactose
 5. The structural and functional unit of a muscle
 - (a) Sarcolemma
 - (b) Sarcoplasm
 - (c) Sarcomere
 - (d) Motor end plate