

**PARUL UNIVERSITY**  
**FACULTY OF HOMOEOPATHY**  
**BHMS, Examination October - 2017**

Year: 1

Subject Code: 04101104

Subject Name: Physiology &amp; Biochemistry Paper-I I

Date: 09/10/2017

Time: 10:00 am to 01:00 pm

Total Marks: 100

**Instructions:**

1. Attempt all questions from each section
2. Figures to the right indicate full.
3. Make suitable assumptions wherever necessary.
4. Write section-A, section-B on separate answer sheets.
5. Draw diagrams wherever necessary.

**SECTION: A**

- Q.1** Describe pyramidal track in detail (15)
- OR**
- Q.1** Digestion and absorption of protein (15)
- Q.2** Describe in detail cerebrospinal fluid (CSF) (15)
- OR**
- Q.2 Write Notes on:**
- a) Synapse (08)
- b) Peristalsis (07)
- Q.3 Write Short notes (any three)** (15)
- a) Babynski sign
- b) Neurone
- c) Function of saliva
- d) Deglutition
- e) Organ corti
- Q.4 Write Answer** (05)
- a) Define relax action
- b) Origin of goll track
- c) Define rhythmic segmentation
- d) Action of maltase
- e) Define accommodation

**SECTION: B**

- Q.1** Discuss synthesis, function and control of secretion of thyroxine (15)
- OR**
- Q.1** Discuss physiological changes during pregnancy (15)
- Q.2** Describe in detail "endocrinal functions of pancreas" (15)
- OR**
- Q.2 Write Notes on**
- a) Growth hormone (08)
- b) Puberty (07)
- Q.3 Write Short notes (any three)** (15)
- a) Function of glucocorticoids
- b) Ovulation
- c) Vitamin A
- d) Iron
- e) Types of carbohydrates
- Q.4 Write Answer** (05)
- a) Define hormone
- b) Define menarche
- c) What is deamination
- d) Example of simple protein
- e) Examples of Monosaccharides