

**PARUL UNIVERSITY**  
**FACULTY OF HOMOEOPATHY**  
**BHMS November 2019 Examination**

Year: 1

Date: 14-11-2019

Subject Code: 04101104

Time: 10:00am to 1:00pm

Subject Name: PHYSIOLOGY &amp; BIOCHEMISTRY PAPER 2

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 separate sections on separate answer sheets.

**SECTION: A**

- Q:1** Describe physiology of pyramidal tract in details. **15**
- OR**
- Describe composition, functions and regulation of mechanism of salivary secretion. **15**
- Q:2** Describe the physiology of liver **15**
- OR**
- Q:2** A Functions of hypothalamus **08**
- B** Deglutition. **07**
- Q:3** **Write Short notes (3 out of Five)** **15**
1. Function of cerebellum
  2. Neuromuscular junction
  3. Vomiting
  4. BMR
  5. Error of refraction
- Q:4** **Write Answer** **05**
1. Name the enzymes of pancreatic juice
  2. Define neuron
  3. Define reflex
  4. What is Rhodopsine
  5. What is pepsin

**SECTION: B**

- Q:1** Describe physiology of growth hormone **15**
- OR**
- Describe the process of spermatogenesis and its control. **15**
- Q:2** Describe the various phases of menstrual cycle & their hormonal regulation **15**
- OR**
- Q:2** A) Oxytocin **08**
- B**) Describe the role of placenta during pregnancy **07**
- Q:3** **Write Short notes (3 out of Five)** **15**
1. Gigantism
  2. Essential amino acid
  3. TCA cycle
  4. Prolactin
  5. Vitamin A
- Q:4** **Write Answer** **05**
1. Name hormones of adrenal medulla
  2. What is ovulation
  3. What is deficiency of vitamin C called?
  4. Define enzymes.
  5. Which vitamin is known as anti-sterility vitamin?