

Seat No: \_\_\_\_\_

Enrollment No: \_\_\_\_\_

**PARUL UNIVERSITY**  
**FACULTY OF HOMOEOPATHY**  
**BHMS, Annual Examination 2015-16**

**Year: 1**

**Date: 08/08/2016**

**Subject Code: 04101104**

**Time: 10:00 am to 01:00 pm**

**Subject Name: Physiology & Biochemistry Paper II**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions from each section
2. Figures to the right indicate full Marks.
3. Make suitable assumptions wherever necessary.
4. Write separate sections on separate answer sheets.

**SECTION-A**

**Q:1** Enumerate different descending tracts. Describe in detail origin, course & termination of different pyramidal tracts. **15**

**OR**

**Q:1** Describe the composition, formation and function of bile. **15**

**Q:2** Describe in detail about digestion & absorption of fat. **15**

**OR**

**Q:2** A) Classify receptors. Describe about properties of receptors. **08**

B) Describe the functions of bile salts. **07**

**Q:3** Write Short notes (Any Three out of Five) **15**

A) Functions of hypothalamus

B) Insulin

C) CSF

D) Functions of saliva

E) Hypermetropia

**Q:4** Write Answer **05**

A) Temperature regulation centre is mainly located in \_\_\_\_\_

B) Cephalic phase of gastric secretion is primarily under control of \_\_\_\_\_

C) The precentral gyrus in humans is located in \_\_\_\_\_

D) Night blindness is also known as \_\_\_\_\_

E) Gastrin producing cells are located in \_\_\_\_\_

**SECTION-B**

**Q:1** Describe in detail about synthesis & function of posterior pituitary hormone. **15**

**OR**

**Q:1** Describe in detail about the process of spermatogenesis and its control. **15**

**Q:2** Describe synthesis, function & regulation of thyroxine. **15**

**OR**

**Q:2** A) Write in brief about structure & function of adrenal medulla. **08**

B) Discuss the role of placenta during pregnancy. **07**

**Q:3** Write Short notes (Any Three out of Five) **15**

A) Gigantism

B) Vitamin D

C) Puberty

D) Enzyme

E) Glycogenolysis

**Q:4** Write Answer **05**

A) The activity of zona glomerulosa of adrenal cortex is stimulated by \_\_\_\_\_

B) The cellular organelles called suicide bags are \_\_\_\_\_

C) A carbohydrate found in DNA is \_\_\_\_\_

D) The phenomenon of osmosis is opposite to that of \_\_\_\_\_

E) The cells of testes which produce testosterone are \_\_\_\_\_