

PARUL UNIVERSITY
FACULTY OF HOMOEOPATHY
BHMS Supplementary Exam, December 2017

Year: 1

Subject Code: 04101104

Subject Name: Physiology - Paper II

Date: 22/12/2017

Time: 10:00 am to 1:00 pm

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 section-A, section-B on separate answer sheets.
5. Draw diagrams wherever necessary.

SECTION: A

- Q.1** Describe the structure and function of Synapse. Explain their different properties. (15)
- OR**
- Q.1** Give an account of composition, formation, and functions of Bile. (15)
- Q.2** What is Reflex action? Describe different properties of Reflex action. (15)
- OR**
- Q.2 (a)** CSF (08)
- Q.2 (b)** Enterohepatic circulation of bile salts. (07)
- Q.3 Write Short notes (Three out of Five)** (15)
1. Membrane potential.
 2. Wallarian degeneration & regeneration.
 3. Entero gastric reflex
 4. BMR
 5. Light reflex
- Q.4 Write Answer** (05)
- (1) What is Stimuli?
 - (2) What is Villi?
 - (3) What is Presbyopia?
 - (4) Define Upper motor neuron.
 - (5) What is Antiperistalsis?

SECTION: B

- Q.1** Describe physiology of Growth hormone. (15)
- OR**
- Q.1** Describe the physiology of Menstrual cycle. (15)
- Q.2** Describe metabolic actions of Insulin. Describe regulation of Insulin secretion. (15)
- OR**
- Q.2 (a)** Functions of Placenta (08)
- Q.2 (b)** Parathormone (07)
- Q.3 Write Short notes (Three out of Five)** (15)
1. Acromegaly.
 2. Oxytocin
 3. Essential Amino acids.
 4. Vitamin A
 5. TCA cycle.
- Q.4 Write Answer** (05)
- (1) What is Glycolytic pathway?
 - (2) Define Ovulation.
 - (3) What is normal blood glucose level?
 - (4) What is Enzyme?
 - (5) Define Hormone.