

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF HOMOEOPATHY
BHMS, October – 2016 Examination

Year: 1

Date: 17/10/2016

Subject Code: 04101103

Time: 10:00 am to 1:00 pm

Subject Name: Physiology & Biochemistry – I

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 Describe Cardiac cycle in detail. **(15)**

OR

Q.1 What is Erythropoiesis? Describe the different stages of Erythropoiesis and its regulation. **(15)**

Q.2 What are different Leucocytes? Describe the structure and functions of each type. **(15)**

OR

Q.2 Write notes on :

(a) Heart sounds **(08)**

(b) Functions of Spleen **(07)**

Q.3 Write Short notes (any three out of Five) **(15)**

1. Plasma proteins

2. Lymph gland

3. PR Interval

4. Mitochondria

5. Surface Tension

Q.4 Write Answer in Short. **(05)**

1. What is Hemostasis?

2. Enumerate causes of Megaloblasticanemia.

3. What is Apex beat?

4. Enumerate different types of muscles.

5. What is principal of Dialysis?

SECTION-B

Q.1 Describe the transport of oxygen from lungs to tissue cells. **(15)**

OR

Q.1 What is G.F.R.? What are the different factors affecting it? **(15)**

Q.2 Describe the Micturition reflex. **(15)**

OR

Q.2 Write notes on :

(a) Types of Hypoxia **(08)**

(b) Juxta Glomerular Apparatus **(07)**

Q.3 Write Short notes (any three out of Five) **(15)**

1. Oxygen dissociation curve

2. Cyanosis

3. Renin

4. Rigor mortis

5. Function of skin

Q.4 Write Answer in short. **(05)**

1. What is Physiological dead space?

2. Define Vital capacity.

3. What is Counter current mechanism?

4. Define Tetany.

5. What is the function of Sweat glands?