

**PARUL UNIVERSITY**  
**FACULTY OF HOMOEOPATHY**  
**BHMS October-2020 Examination**

Year: 1

Date: 28-10-2020

Subject Code: 04101103

Time: 10:00 am to 01:00 pm

Subject Name: Physiology Paper-I

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** What is erythropoiesis? Describe the different stages of erythropoiesis and its regulation. **15**
- OR**
- Define cardiac cycle and describe various events taking place in it **15**
- Q:2** Define Blood pressure Explain regulation of blood pressure. **15**
- OR**
- Q:2** A. Heart sounds. **08**  
 B. Describe the structure and function of spleen. **07**
- Q:3** Write Short notes (3 out of Five) **15**
1. Rh factor
  2. Plasma proteins
  3. Osmosis
  4. Mitochondria
  5. PR Interval
- Q:4** Write Answer **05**
1. Define mitosis
  2. Life span of RBC
  3. Blood pH range that is compatible with life is \_\_\_\_\_
  4. Endoplasmic reticulum is associated with which function in the cell?
  5. Define excitability.

**SECTION: B**

- Q:1** Describe the transport of oxygen from lungs to tissue cells **15**
- OR**
- What is G.F.R.? What are the different factors affecting it? **15**
- Q:2** Describe in detail Micturition reflex **15**
- OR**
- A. Describe Chemical regulation of respiration **08**  
 B. Describe the structure and function of kidney. **07**
- Q:3** Write Short notes (3 out of Five) **15**
1. Acclimatisation
  2. Function of skin
  3. Simple muscle curve
  4. Cyanosis
  5. Fever
- Q:4** Write Answer **05**
1. What is normal respiratory rate?
  2. Define renal threshold.
  3. What is normal body temperature?
  4. Define Asphyxia.
  5. Vital capacity provides useful information about \_\_\_\_\_