

PARUL UNIVERSITY
FACULTY OF HOMOEOPATHY
BHMS Supplementary Exam, December 2017

Year: 1**Subject Code: 04101103****Subject Name: Physiology - Paper I****Date: 21/12/2017****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. Draw suitable diagrams wherever necessary.
4. Write separate sections on separate answer sheets.

SECTION - A

Q.1 Name different blood groups. Describe how blood groups are determined. (15)

OR

Q.1 Describe Cardiac cycle in detail. (15)

Q.2 Define Blood pressure. Explain regulation of blood pressure. (15)

OR

Q.2 Write Notes on.

A. Anaemia (07)

B. Types of WBC (08)

Q.3 Write Short notes on. (Any 3 out of 5) (15)

- a. Function of lymph
- b. Platelets
- c. JVP
- d. PR Interval
- e. Filtration

Q.4. Answer in short. (05)

- a. What is normal blood volume?
- b. Define polycythemia.
- c. Define surface tension.
- d. What is normal cardiac output?
- e. Define excitability.

SECTION - B

Q.1 Describe neural regulation of respiration. (15)

OR

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

Q.2 Describe micturition reflex. (15)

OR

Q.2 Write Notes on.

A. Oxygen dissociation curve (08)

B. Asphyxia (07)

Q.3 Write Short notes on. (Any 3 out of 5) (15)

a. Timed vital capacity

b. Peculiarities of renal circulation

c. Fever

d. Staircase phenomenon

e. Sweat glands

Q.4 Answer in short. (05)

a. What is normal respiratory rate?

b. Define Dead space.

c. Define Latent period.

d. Define micturition.

e. What is normal body temperature?