

First BHMS Degree Supplementary Examinations November 2024

**Physiology & Biochemistry I
(2015 Scheme)**

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answer*
- *Draw diagram wherever necessary*

Long Essay

(2x15=30)

1. Define Blood Pressure. What are the types of Blood Pressure. Describe the regulation of Blood Pressure (2+3+10)
2. Define erythropoiesis. List different stages of erythropoiesis along with changes taking place in each stage. Enumerate the factors necessary for the erythropoiesis (2+8+5).

Short Essay

(5x8=40)

3. Intrinsic Pathway of Coagulation
4. Give the definition and normal values of lung volumes and lung capacities (4+4).
5. Explain the transport of carbon dioxide in blood."
- 6.
7. Counter current mechanisms of kidney
7. Layers of Skin and their functions

Short notes

(10x3=30)

8. T Lymphocytes
9. GFR
10. Diffusion
11. All or None Law
12. Donnan equilibrium
13. Histotoxic Hypoxia
14. Bainbridge Reflex
15. Sarcomere.
16. Sweat Glands
17. Resting Membrane Potential
