

First BHMS Degree Regular/Supplementary Examinations March 2021

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 coagulation. Explain the mechanism of intrinsic pathway of coagulation. Give a brief description of bleeding disorders. (2+8+5)
2. Define blood pressure. Describe the factors maintaining the blood pressure. Add note on hypertension (2+10+3)

Short Essay

(5x8=40)

3. Bloods groups and its physiological importance
4. Structure and functions of juxtaglomerular apparatus
5. Structure and functions of skin.
6. Describe the various lung volumes
7. Define Bohr's effect. Describe the mechanism of O₂ transport in blood.

Short notes

(10x3=30)

8. Endoplasmic reticulum and its functions.
9. Basic transport mechanism of cell membrane
10. Inulin clearance test
11. Functions of macrophage
12. Cardiac murmurs.
13. Normal waves of ECG
14. Cystometrogram
15. Neuromuscular junction
16. Simple muscle curve.
17. Surfactant
