

**First BHMS Degree Supplementary Examinations November 2020**

**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. What is coagulation of blood. Name the coagulation factors and describe mechanism of coagulation. (2+3+10)
2. Define blood pressure. What are the different factors determining blood pressure. Briefly describe nervous regulation of blood pressure. (2+5+8)

**Short Essay**

**(5x8=40)**

3. Acclimatisation
4. Renin Angiotensin System
5. Urine formation
6. Blood transfusion
7. Carbon dioxide transport in blood

**Short notes**

**(10x3=30)**

8. Resting membrane potential
9. Gibbs Donnan Equilibrium
10. Hemophilia
11. Temperature regulation by skin
12. Renal glycosuria
13. Fluid mosaic model of plasma membrane
14. Secondary active transport
15. Hypoxic hypoxia
16. Water hammer pulse
17. Junctional tissues of heart

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