

First BHMS Degree Regular/Supplementary Examinations February 2022

Physiology & Biochemistry I

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. Describe the haemopoiesis. Explain the various stages and necessary factors of erythropoiesis. (4+7+4)
2. Define electrocardiogram. Describe waves, segments and intervals of normal ECG. Add a note on ECG leads. (2+5+8)

Short Essay

(5x8=40)

3. Describe the classification of anemia. (4+4)
4. Explain the urine supply of the urinary bladder and micturition reflex. (4+4)
5. Describe the mechanism involved in the concentration of urine. (4+4)
6. Define hypoxia. Describe types and causes of hypoxia. (2+6)
7. Define respiratory centers. Describe the chemical regulation of respiration. (3+5)

Short notes

(10x3=30)

8. Mechanism of Homeostatic system.
9. Functions of cell membrane.
10. Renin – angiotensin system.
11. Hypothermia.
12. Functions of lymph.
13. Venous return.
14. Cardiac murmur.
15. Sarcotubular system.
16. Myasthenia gravis.
17. Periodic breathing.
