

First BHMS Degree Examinations, March 2016

PHYSIOLOGY & BIOCHEMISTRY- PAPER I

Time: 3 Hours

Max Marks: 100

- Answer all the questions
- Draw diagrams wherever necessary

Essays: (2x10=20)

1. Describe the mechanism of formation of urine. Explain in detail the counter current mechanism.
2. Describe the functions of skin. Detail the mechanism of thermoregulation with reference to the skin in particular.

Short notes: (10x5=50)

3. Heart sounds
4. Plasma proteins
5. Functions of lymph
6. Atrio-ventricular valve
7. Macrophages
8. Baroreceptor reflex
9. Juxtaglomerular apparatus
10. Olfaction
11. Hypoxia
12. Accommodation reflex

Answer briefly: (10x3=30)

13. Myopia
14. Apex beat
15. Prothrombin
16. Tympanic membrane
17. Na⁺ K⁺ exchange pump
18. Conduction deafness
19. Pulse pressure
20. Eosinophils
21. Vital capacity
22. Rh factor