

First BHMS Degree Examinations, February 2015

PHYSIOLOGY & BIOCHEMISTRY- PAPER I

Time: 3 Hours

Max Marks: 100

- Answer all the questions
- Draw diagrams wherever necessary

Essays: (2x10=20)

1. Describe the coagulation mechanism of blood in details. Mention the importance of haemostasis .
2. Describe the mechanism and pathway of vision with the help of diagrams. Enumerate the errors of refraction .

Short notes: (10x5=50)

3. Juxtaglomerular apparatus
4. Heart rate
5. Olfaction
6. Micturition reflex
7. Vital capacity
8. Cardiac muscle
9. Hypoxia
10. Functions of platelets
11. Thermoregulation
12. Functions of plasma proteins

Answer briefly: (10x3=30)

13. Tympanic membrane
14. Accommodation reflex
15. Sickle cell anemia
16. Chromatic aberration
17. Renal threshold of glucose
18. Nerve deafness
19. Functions of lymph
20. Arterial pulse
21. Tidal volume
22. O negative blood group