

QP Code:103004

Reg. No.:.....

First BHMS Degree Supplementary Examinations, August 2015

PHYSIOLOGY & BIOCHEMISTRY- PAPER I

Time: 3 Hours

Max Marks: 100

- **Answer all the questions**
- **Draw diagrams wherever necessary**

Essays: (2x10=20)

1. Define cardiac output. Explain in detail the factors affecting cardiac output
2. Classify leucocytes and describe its morphology. Add a note on its functions.

Short notes: (10x5=50)

3. What are the physiological changes that occur when the body is exposed to low temperature.
4. Name the errors of refraction. Explain its correction with the help of diagram.
5. Explain renal function tests.
6. What are the peculiarities of renal circulation.
7. Sodium absorption from the proximal convoluted tubule
8. Sino atrial node
9. Explain origin and spread of cardiac impulse.
10. Explain the fetal circulation. Add a note on changes at birth.
11. Name the clotting factors and explain the features of factor VIII.
12. Haemophilia.

Answer briefly: (10x3=30)

13. Endoplasmic reticulum
14. VITAL CAPACITY.
15. What is cross matching and mention its types.
16. Blood picture in iron deficiency anemia.
17. What is pulse deficit.
18. What is P-R interval and mention its significance.
19. First heart sound
20. Mention the components of filtration membrane.
21. Enumerate the pathological constituents of urine.
22. Lists the functions of kidney.
