

Q.P. Code: 114004

Reg. No.:.....

First BHMS Degree Examinations October 2018

Physiology & Biochemistry I

(2015 scheme)

Time: 3 hrs

Max marks: 100

- **Answer all questions**
- **Draw diagram wherever necessary**

Long Essay

(2x15=30)

1. Define erythropoiesis. Explain the various stages and necessary factors of erythropoiesis. (2+8+5)
2. Define cardiac cycle. Describe various events of cardiac cycle with pressure and volume changes. (2+8+5)

Short Essay

(5x8=40)

3. Anaemia and its classification.
4. Mechanism of micturition.
5. Counter current mechanism.
6. Define hypoxia. Describe types and causes of hypoxia.
7. Define chloride shift. Describe the mechanism of CO₂ transport in blood

Short notes

(10x3=30)

8. Feedback control of homeostasis.
9. Structure and functions of cell membrane.
10. Acidification of urine.
11. Hyperthermia.
12. Functions of spleen.
13. Peripheral resistance.
14. Heart block.
15. Chemical changes during muscular contraction.
16. Contractile elements of the muscle.
17. Dysbarism
