

QP Code: 103004

Reg. No.:.....

First BHMS Degree Supplementary Examinations, January 2017

PHYSIOLOGY & BIOCHEMISTRY- PAPER I

(2010 scheme)

Time: 3 Hours

Max Marks: 100

- Answer all the questions
- Draw diagrams wherever necessary

**Essays:**

(2x10=20)

1. Define erythropoiesis and explain the stages and necessary factors of erythropoiesis.
2. Define nephron and explain the mechanism of formation of urine.

**Short notes:**

(10x5=50)

3. Cardiac output
4. Blood volume
5. Micturition.
6. Errors of refraction.
7. Mechanism of CO<sub>2</sub> transport in blood
8. Mechanism of breathing.
9. Sino aortic mechanism.
10. Structures and functions of skin.
11. Formation and functions of lymph.
12. Auditory pathway.

**Answer briefly:**

(10x3=30)

13. Normal ECG.
14. Dysbarism
15. Glomerular filtration rate
16. Hematocrit
17. Arterial pulse.
18. Immunoglobulins.
19. Phagocytosis.
20. Functions of plasma proteins
21. Surfactant.
22. Visual receptors

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