

**First BHMS Degree Supplementary Examinations, August 2016**

**PHYSIOLOGY & BIOCHEMISTRY- PAPER I**

**Time: 3 Hours**

**Max Marks: 100**

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

**Essays:**

**(2x10=20)**

1. Mention the volumes and capacities of lungs. Add a note on timed vital capacity.
2. Describe the structure and function of nephron and explain the urine formation.

**Short notes:**

**(10x5=50)**

3. Anemia
4. Purpura
5. Hypoxia
6. Frank Starling's law
7. Accommodation
8. Organ of corti
9. Carriage of carbon dioxide in blood
10. Heart rate regulation
11. Refractory period
12. Respiratory centers

**Answer briefly:**

**(10x3=30)**

13. Albumin
14. Rh-factor
15. Cyanosis
16. Active transport
17. All or none law
18. Function of skin
19. SA node
20. Weber's test
21. Pathway of taste
22. Aqueous humor

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