

First BHMS Degree Supplementary Examinations, August 2012

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 and describe in detail the factors affecting cardiac output
2. Name the respiratory centers and explain nervous, chemical & reflex regulation of respiration

Short notes: (10x5=50)

- 3 Intrinsic pathway of coagulation
- 4 Proximal convoluted tubule
- 5 Visual pathway
- 6 Oxygen transport
- 7 Granulocytes
- 8 Haemoglobin
- 9 Mechanism of Micturition
- 10 Juxta glomerular apparatus
- 11 Albumin
- 12 Blood indices

Answer briefly: (10x3=30)

- 13 Bleeding time
- 14 Nitrogen embolism
- 15 Inulin clearance test
- 16 Water re-absorption from collecting duct
- 17 Monocytes
- 18 Haemophilia
- 19 Normal ECG
- 20 Inspiratory muscles
- 21 Glomerulus
- 22 Presbiopia