

Date: 06-01-2017

0117 E011

First Year MBBS Examination

I MBBS Physiology Paper 1

Time: 3 hours Max Marks: 50

Instructions: 1. Answer to the points. 2. Use separate answer books for each section. 3. Draw diagrams wherever necessary.

Section 1

1. Give an account of any TWO of the following (10)

- a. Na-K-ATPase pump
- b. Extrinsic pathway for coagulation
- c. Define blood pressure. Discuss factors affecting systolic blood pressure.

2. Write Short notes of (any two) (6)

- a. Functions of WBC
- b. ESR
- c. Plasma proteins

3. Write short note on any one (3)

- a. Osmosis
- b. Mitochondria

4. Discuss Any TWO (6)

- a. Micturition
- b. Counter current multiplier
- c. Structure & types of nephron

Section 2

5. Write Short notes on (any two) (10)

- a. Conduction pathway of cardiac impulse
- b. Renin angiotensin system
- c. Cardiac output

6. Write Short notes on (any two) (6)

- a. Surfactant
- b. Trans pulmonary pressure
- c. Vital capacity

7. Write short note on any one (3)

- a. O₂ dissociation curve
- b. Effect of high altitude on respiration & cardiovascular system

8. Give your comments with justification of Any

SIX: (6)

- a. What is tachycardia?
- b. Define cyanosis.
- c. What is polycythemia?
- d. Define diffusion.
- e. Define GFR.
- f. What is metabolic acidosis?
- g. Effect of increase in CO₂ on respiration rate.
- h. What is normal body temperature of an adult human?

www.FirstRanker.com