

Date: 27-07-2018

0718 E281

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. Write briefly dimorphic anemia
- b. Compensatory Mechanism of Shock
- c. Define Hypoxi Enumerate the role of Oxygen therapy in different type of hypoxia

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

- a. Intravascular anticoagulants
- b. Mechanism of action of antibodies
- c. Erythropoiesis

3. Write briefly on any one (3)

- a. Resting Membrane Potential
- b. Facilitated diffusion

4. Discuss Any TWO (6)

- a. Counter current multiplier system
- b. Autogulation of GFR
- c. Osmoreceptor

Section 2

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

- a. Pacemaker potential
- b. Role of RAAS in arterial pressure control
- c. Factors affecting cardiac output

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

- a. J-Receptors
- b. Ventilation Perfusion ratio
- c. Muscles of inspiration

7. Write short note on (3)

- a. Respiratory changes during exercise
- b. Nitrogen Narcosis

8. Give your comments with justification of Any SIX: (6)

- a. Surfactant
- b. Haldane effect
- c. Frank starling law
- d. Neutrophilia
- e. Osmosis
- f. Landsteiner law
- g. Cardiac index
- h. Ficks principle

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