

Date: 29-07-2017

0717 E147

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. Define anaemia? Write about iron deficiency anaemi
- b. Short term regulation of BP
- c. Renal function tests

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

- a. Cell mediated Immunity
- b. Hemostasis
- c. Rh system

3. Write briefly on any one (3)

- a. Plasma membrane functions
- b. Negative feedback mechanism

4. Discuss Any TWO (6)

- a. Juxta glomerular apparatus
- b. Cystometrogram
- c. Role of kidney in acid-base balance

Section 2

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

- a. Effect of exercise on cardiovascular system
- b. Electrocardiogram
- c. Factors influencing venous return

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

- a. Non-respiratory functions of respiratory system
- b. Mechanism of inspiration
- c. Respiratory membrane

7. Write briefly on any one (3)

- a. SCUBA diving
- b. Hypoxic hypoxia

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

- a. Leucopenia
- b. TmG
- c. Filtration fraction
- d. S A node
- e. Surfactant
- f. Bohr's effect
- g. Ficks principle
- h. Jaundice