

Date: 05-01-2013

0113 E018

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. Write briefly on (any two): (10)
 - a. Role of baroreceptors in blood pressure regulation
 - b. Lung compliance
 - c. Cell-mediated immunity
2. Write briefly on (any two): (6)
 - a. Anticoagulants
 - b. Hemolytic disease of newborn
 - c. Stages of erythropoiesis
3. Write briefly on (any on: (3)
 - a. Apoptosis
 - b. Refractory period
4. Write briefly on (any on: (6)
 - a. Factors affecting body temperature
 - b. Counter – current multiplier mechanism
 - c. Renin – angiotensin system

Section 2

5. Write briefly on (any two): (10)
 - a. Ventricular diastole
 - b. Regulation of coronary blood flow
 - c. Transmission of cardiac impulse
6. Write briefly on (any two): (6)
 - a. Respiratory chemoreceptors
 - b. Bohr effect
 - c. Alveolar ventilation
7. Write briefly on (any on: (3)
 - a. Caisson's disease
 - b. Chloride effect
8. Write answers in two or two sentences (any six): (6)
 - a. Anaemic hypoxi
 - b. Purpur
 - c. Both Vitamin B12 and Folic acid are given to Pernicious anaemia patients. Explain.
 - d. T – wave in ECG.
 - e. Serum.
 - f. Foetal Haemoglobin.
 - g. Filtration fraction.
 - h. TmG (Tubular maximum for Glucos.
