M.D. (ANAESTHESIA): Winter 2022 SUBJECT: PAPER-I BASIC SCIENCES AND PRINCIPLES AS APPLIED TO ANAESTHESIOLOGY

Day : Friday Time : 01:30 PM-04:30 PM

Date: 16-12-2022 W-722-2022 Max. Marks: 100

N.B.:	1)	Draw Diagrams WHEREVER necessary.
Long	Ques	tions (15 Marks Each

noninvasive tests for assessing functions of autonomic nervous system.

Q.2 What is capnography? Draw a neat diagram of a normal capnograph and describe role of capnography during administration of anaesthesia.

Semi-Long Questions (Answer ANY SEVEN) (10 Marks Each) **Q.3** Describe 'Desensitisation Block'. **Q.4** Describe 'Extra hepatic drug metabolism'. Discuss effect of inhaled anaesthetics on broncho motor tone in humans. **Q.5** 0.6 Describe Hyderabad Chloroform commission I &II. **Q.7** What is P50? Draw oxygen haemoglobin dissociation curve and describe the factors influencing the change of P50. Describe the pressure and volume changes during different phases of Q.8 normal cardiac cycle with illustrations.

Q.9 Discuss methods of detecting leaks and disconnections of workstation during the course of anaesthesia.

Q.10 Routs of administration of fentanyl and their pharmacological basis, advantages, disadvantages.

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