



DL-9045

Seat No. _____

M. D. (Branch - VI) Examination

March – 2022

Anesthesiology : Paper - 1

Time : $2\frac{1}{2}$ Hours]

[Total Marks : **70**

- 1** Describe anatomy of upper airway. Discuss various blocks to anaesthetize upper airway. **20**
 - 2** Define minimum alveolar concentration (MAC) of inhalation agents. Describe different types of MACs. Discuss various physiological and pharmacological factors affecting MAC. **20**
 - 3** Discuss physiological changes in pregnancy. Describe pathway of pain in labour. Enumerate various modes of labour analgesia and describe one technique in detail. **20**
 - 4** Write Short notes : (Any **Four**) **40**
 - (a) Anion gap and its significance
 - (b) Quadratus lumborum muscle and anesthesia
 - (c) Safety mechanisms to prevent the delivery of hypoxic mixture in anaesthesia machines
 - (d) The physiological and metabolic changes during hypothermia
 - (e) Sample size calculation
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