



PZ-9045

Seat No. _____

M. D. (Branch - VI) Examination

July - 2020

Anaesthesiology

Time : 3 Hours]

[Total Marks : 100

Instruction : All questions are compulsory.

- 1 Applied anatomy of spinal cord and epidural space. **7+7+6=20**
Write segmental distribution of motor and sensory innervations of body. Its importance for anaesthesia.
- 2 What is low flow anaesthesia? Discuss its advantages **5+10=15** and disadvantages.
- 3 Write and illustrate blood supply of brain. What is **7+2+6=15** cerebral perfusion pressure ? What factors can effect cerebral perfusion pressure ?
- 4 What is the difference between pumping and **5+5=10** pressurizing effect in a vapourisor ? What modifications are done to prevent these effects ?
- 5 Physics and laws applied for anaesthesia delivering **5+5=10** system. Uptake and distribution of gases.
- 6 Write short notes on : (6 Marks each) **30**
 - a) Alpha - 2 agonists
 - b) Bronchial blocker
 - c) Co-oximeter
 - d) Dibucaine number
 - e) Ethics in anaesthesia.