

QP Code:101176

Reg. No.:.....

**P.G. Diploma Supplementary Examinations in Anaesthesiology (DA)
October 2019**

Paper I - Basic Sciences as Applied to Anaesthesiology

Time: 3 hrs

Max marks:100

- ***Answer all questions***
- ***Draw diagram wherever necessary***

Essay:

(20)

1. What are the indications and contraindications for a popliteal fossa block. List the nerves that are affected and describe their cutaneous innervation. What responses would you get on stimulating these nerves. Briefly describe one technique for performing this block.

Short essays:

(8x10=80)

2. What complications may result from endotracheal tubes/adjuncts to intubation.
3. What are the presenting clinical features of infective endocarditis. What are the principles that guide the use of antibiotics as prophylaxis against this condition during surgery.
4. Under what circumstances myoglobin is found in the urine. What are the implications of myoglobinuria and how it is managed.
5. Magnetic Resonance Imaging - anaesthetic hazards
6. Discuss the reasons for and against the use of nitrous oxide in anaesthetic practice
7. What factors contribute to intravenous drug errors in anaesthetic practice. What strategies are available to reduce the incidence of such errors.
8. Define primary post-partum haemorrhage. List the pharmacological agents that may be used post-partum to reduce uterine atony and any precautions with its use.
9. What factors determine the rate of haemoglobin desaturation during a failed intubation. What can be done to maintain oxygenation in this situation.
