

## D.A. Examination

## Paper I

(Anatomy, Physiology Histology of Anaesthesia etc.)

[Max. Marks : 100]

Date : 01-04-2019, Monday]

Time : 3 Hours]

- Instructions :** (1) Answer to the point.  
(2) Figure to the right indicate marks.  
(3) Write legibly.  
(4) Draw diagrams wherever necessary.

1. Describe the vascular supply and functional anatomy of liver. Mention briefly factors affecting the liver blood flow during GA. 20
  2. Discuss the pharmacodynamics and pharmacokinetics of Ropivacaine, Levobupivacaine, and Chloroprocaine 20
  3. Discuss in brief the pathophysiology of heat loss during anaesthesia. Describe the problems associated with hypothermia. 20
  4. Write short notes on: 20(10X2)
    - a) Sir R. R. Macintosh-his contributions in anaesthesia
    - b) Diameter Index Safety System(DISS)
  5. Write short notes on: 20(10X2)
    - a) Valsalva maneuver and its changes in patients with autonomic neuropathy
    - b) Hyperkalemia
-

## D.A. Examination

## Paper II

Medicine, Surgery, Gynaecology &amp; Obstetrics as related to Anaesthesia

Date : 03-04-2019, Wednesday]

[Max. Marks : 100

Time : 3 Hours]

- Instructions :** (1) Answer to the point.  
(2) Figure to the right indicate marks.  
(3) Write legibly.  
(4) Draw diagrams wherever necessary.

1. Describe various techniques for confirmation of precise placement of Tuohy needle in the epidural space. Discuss on epidural hematoma following epidural anesthesia. (20 )
  2. Describe the perioperative anaesthetic management of a 52 year old male patient with diabetic foot posted for above ankle amputation. (20 )
  3. A 10 days old baby presented with distention of abdomen and is posted for laparotomy. Discuss the perioperative anesthetic management. (20 )
  4. Write short notes on: (20(10X2) )
    - a) Problems with "One Lung ventilation"
    - b) HELLP syndrome
  5. Write short notes on: (20(10X2) )
    - a) Buprinorphine transdermal patch
    - b) Propofol Infusion Syndrome
-

## D.A. Examination

## Paper III

## Anaesthesia and Analgesia

[Max. Marks : 100]

Date : 05-04-2019, Friday]

Time : 3 Hours]

- Instructions :** (1) Answer to the point.  
(2) Figure to the right indicate marks.  
(3) Write legibly.  
(4) Draw diagrams wherever necessary.

1. A 45 year old patient has two drug eluting stents in situ since 13 months, and is scheduled for inguinal herniorraphy. Briefly describe the anaesthetic management.  
( 20 )
  2. Enumerate the co morbidities associated with morbid obesity and describe an anaesthetic plan for "bariatric surgery in a 38 year old woman weighing 146kg and standing 5 feet 3 inches"  
( 20 )
  3. Define 'pain" and describe the consequences of a poorly treated postoperative pain following a major surgery.  
( 20 )
  4. Write short notes on:  
a) Postoperative Cognitive dysfunction(POCD)  
b) The Berlin criteria for ARDS  
20(10X2)
  5. Write short notes on:  
a) Patient Controlled Analgesia(PCA)  
b) Criteria for diagnosing "Brain Death"  
20(10X2)
-