

Tanta University
Faculty of Medicine
Anesthesia Department

M.Sc. + Diploma Exam
2nd part
22-04-2012
Paper I

Give an account on:

1. Anesthesia for an infant with pyloric stenosis.
2. Mythenic crises.
3. Causes + management of post-operative hypoxia.
4. Causes + management of hypo and hyperkalemia.

Good Luck

M.Sc. + Diploma Exam
1st part
22-04-2012
Physics + Clinical measurement

1. Invasive arterial blood pressure
 - a. Indications
 - b. Contraindications
 - c. Arterial catheterization
 - d. Complication of arterial catheterization
 - e. Wave form

2. Liquid oxygen.

3. Pulse oximetry.

4. Train of four.

5. Low flow circuits
 - a. Components
 - b. Advantages
 - c. Disadvantages
 - d. Monitoring
 - e. Absorbent

Good Luck

Anesthesia Exam
26-04-2012
1st part
Pharmacology

Discuss:

1. Adrenaline + its uses in anesthetic practice.
2. Cisatracurium.
3. Sevoflurane.

Good Luck



Tanta University

Faculty of Medicine

Anesthesia Dept.

Date: 13/ 10/ 2012

M.Sc.+ Diploma Exam

No of Question 4

Time allowed: 3 h

Total: 50 Mark



2nd part Exam

Paper I

1. Discuss anesthetic management of child with bronchial asthma. (20 marks)

Give an account on:

2. Acute blood transfusion reaction. (10 mark)
3. Supraglottic airway devices. (10 mark)
4. Post dural puncture headache. (10 mark)

Good Luck

Tanta University

Faculty of Medicine

Anesthesia Dept.

Date: 17/ 10/ 2012

M.Sc.+ Diploma Exam

No of Question 4

Time allowed: 3 h

Total: 50 Mark



2nd part Exam

Paper II

1. Perioperative anesthetic management of diabetic patients. (20 mark)
2. Mention complications of total parenteral nutrition. (10 marks)
3. State problem of prone positioning. (10 marks)
4. Give short notes on:
 - Methods of decreasing ICP (10 marks)

Good luck

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Date: 17/ 10/ 2012

M.Sc. + Diploma Exam.

No of Question 3

Time allowed: 3 h

Total: 50 Mark



1st part Exam

Pharmacology

- Write an account on:

1. Propranolol. (15 Marks)

2. Fentanyl. (15 Marks)

3. Anticholinesterase. (15 Marks)

Good Luck

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Anesthesia Dept.

Date: 13/ 10/ 2012

M.Sc. + Diploma Exam

No of Question: 5

Time allowed: 3 h

Total: 100 Mark



1st Part Exam

Physics + Clinical measurement

- 1. Discuss Capnography:** (20 Marks)
 - Principle (3 Marks)
 - Indications (3 Marks)
 - Sample is taken by (3 Marks)
 - Wave form (3 Marks)
 - Interpretations (8 Marks)
- 2. Give short notes on:** (20 Marks)
 - Co- axial circuits (10 Marks)
 - Reducing valves (10 Marks)
- 3. Mention** (20 Marks)
 - Precautions to prevent fire and explosions. (10 Marks)
 - Indications for the use of pulmonary artery catheter. (10 Marks)
- 4. Describe:** (20 Marks)
 - Rotameter (10 Marks)
 - Ultrasonic nebulizer (10 Mark)
- 5. Define** (20 Marks)
 - Boyle"s law (5 Marks)
 - Critical temperature (5 Marks)
 - Triple point of water (5 Marks)
 - Filling ratio (5 Marks)

GOOD LUCK