



<p>Tanta university faculty of Medicine Anesthesia & SICU Date 13/10/2016</p>	<p>Anesthesia & SICU MD paper 2 Time allowed: 3h Total marks 50</p>	
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- 1 -List potential causes of thrombocytopenia in ICU ---Demonstrate heparin induced thrombocytopenia and plan its management (10 marks)
- 2-list the normal level of arterial and central venous blood gas analysis (pH, PaO₂ , O₂ saturation, PaCO₂, bicab.) and demonstrate how to use the gradient as guide for blood transfusion (10 marks)
- 3- Describe ventilator induced lung injury (VILI) and illustrate intra-operative protective lung strategy (10marks)
- 4-Hyper coagulability is a consequence of surgical procedures
 - 1-Define risk factor augmenting deep vein thrombosis (4marks)
 - 2-Demonstrate physiological , mechanical, and pharmacological management (6 marks))
- 5-Tissue perfusion is more important than pressure and flow in critically ill patients. Discuss the different modalities used to assess tissue perfusion. (10 marks)

Good luck

<p>Tanta university faculty of Medicine Anesthesia & SICU Date 9/10/2016</p>	<p>Anesthesia & SICU MD paper 1 Time allowed: 3h Total marks 50</p>	
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1 Management of acute postoperative pain was announced by WHO since 2004 as one of human right

1- Define postoperative pain

(1 mark)

2- Describe pathogenesis of acute postoperative pain and transmission from acute pain to chronic

(4 marks)

3- Design protocol for multimodal analgesia with special emphasis on use of different drugs and techniques

(10marks)

2- A 12 years old girl with scoliosis scheduled for posterior spine fixation with segmental instrumentation. She had a normal medical history except for easy fatigability on exertion

1- Describe the principles of preoperative assessment (5marks)

2- Demonstrate potential complication of prone position and how can be avoided

(5marks)

3- Prescribe spinal cord monitoring during the procedure

(5marks)

4- Plan how to minimize transfusion requirement (5marks)

3- Acute kidney injury is a serious problem in (ICU)

1. Enumerate the causes predisposing to development of AKI

(3marks)

2. Review the criteria of AKI

(4 marks)


3. Demonstrate the preventive measures of AKI

(4marks)

4. Plan a management protocol for AKI

(4marks)

Good luck

Tanta university faculty of Medicine Anesthesia & SICU Date 1/10/2016	master 1st part of physic & measurement Time allowed 3 hours Total marks 100	
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- 1- Classify breathing circuits and discuss Mapleson E (Ayres T piece)
(20marks)
- 2- Draw, label and discuss normal capnogram then interpret
abnormal curves during anaesthesia (20marks)
- 3- Explain Venturi principle and its application in general anaesthesia
(20marks)
- 4- Humidity is important in anaesthesia
 - a- Define absolute and relative humidity (10 marks)
 - b- How is humidity measured (10 marks)
- 5- Explain measurement of intraoperative blood loss (20marks)

Good luck

All Questions to be answered :

1- Causes, clinical manifestations and treatment of respiratory failure.

(30 Marks)

2- Causes and clinical manifestations and treatment of upper GIT bleeding.

(20 Marks)

3- clinical picture ,complications and treatment of type 2 DM

(20 Marks)

4- Causes and clinical manifestations and treatment of hyperkalemia. (20 Marks)

Good Luck

الامتحان الشفوى والعملى يوم الاثنين ٣١ - ١٠ الساعة الثامنة صباحا بقسم الامراض الباطنة.