


<p>Tanta University Faculty of Medicine Anesthesia, SICU &amp; Pain Medicine Dep. Date: 7 / 11 / 2020</p>	<p>Exam: Master &amp; Diploma Degree 2<sup>nd</sup> Part Paper 2 No. of Questions: 11 Questions Times allowed: 3 hours Total marks: 180</p>	
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- Q1-Mention clinical picture of barotraumas during mechanical ventilation? (10 marks)
- Q2-Outline management of high intracranial pressure in ICU? (10marks)
- Q3-Central venous catheter insertion is a frequent maneuver in the ICU practice. However, it may be complicated by infection that may reach up to sepsis. Outline the precautions that should be done to prevent or limit the catheter related infection. (20marks)
- Q4-A 50 years old man diabetic had abdominal trauma underwent surgery for splenectomy and repair of liver tear , postoperative arterial blood pressure 80/40 mmHg , Heart rate 130 b/min , respiratory rate 25 br/min on nasal cannula , ABGs ( pH 7.23 , PaCO<sub>2</sub> 32 mmHg , PaO<sub>2</sub> 90 mmHg , HCO<sub>3</sub> 16 mmol/L , Lactate 4 mmol/L , Na 140 mmol/L , K 5 mmol/L , Cl 100 mmol/L ) .  
-Interpret and explain this ABG changes? (15 marks)
- Q5- Define shock, mention its types and causes? (15 marks)
- Q6- Mention ECG changes and management of hyperkalemia? (15 marks)
- Q7-Discuss types and clinical presentation of blood transfusion related reactions? (30marks)
- Q8- Mention causes and management of pulse less electrical activity? (15marks)
- Q9-Enumerate steps of management of oliguria in ICU? (10 marks)
- Q10-Methods of management of postoperative pain. (20marks)
- Q11-Types, mechanism of action, contraindication and complication of non steroidal anti-inflammatory drugs. (20marks)

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