

QP Code:103176

Reg.No.:.....

**P.G. Diploma Supplementary Examinations in Anaesthesiology (DA) -
November 2016**

Paper III- Critical Care, Pain Medicine and Recent Advances

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. A 75 years old patient in the postoperative surgical ICU is complaining of wound pain following urgent para umbilical hernia repair (irreducible preop). He is finding it hard to cough with the pain. He is a known hypertension, COPD. Current observations: HR 110 regular, BP 205/95, Sats 87% (on 2L), RR 25/min, urine output – 50ml over last 2 hours, Temp 37.5C. What will be your management plan.

Short essays:

(8x10=80)

2. 42 years old lady admitted with dysuria and vomiting. She is a known diabetic on insulin. On admission she is tachypnoeic, tachycardic, Heart Rate is 122/min, RR is 30 and BP is 100/50 mmHg. She has dry mucous membranes. Diagnosis and management plan.
3. Discuss the pharmacokinetics, pharmacodynamics, indications and adverse effects of dexmedetomidine.
4. Discuss the management of a 19 years old previously healthy girl becomes unwell at college. She was hyperventilating and then collapsed. She is drowsy, but responds to verbal stimuli. She is complaining of abdominal pain and nausea. HR 150, BP 95/40, RR 40, SpO₂ 97% on air.
5. Describe your procedure for cardiac life support of a child aged 6 years.
6. 73 years old lady day 4, following repair fractured neck of femur, history of hypertension and cerebrovascular disease. The nurses have found her to be confused and sweaty in the ward. SpO₂ 93% on 6 litres of O₂, RR 28bpm, HR 130/min irregularly irregular, BP 85/50. What is the probable diagnosis and what will be your management plan.
7. What are perflurocarbons and describe its use in anaesthesia.
8. Outline the methods for prophylaxis of venous thromboembolism in ICU practice.
9. What are the therapeutic uses of magnesium and how does it work.
