

[LO 0519]

MAY 2019

Sub. Code: 1002

**FELLOWSHIP IN CRITICAL CARE MEDICINE EXAMS
FINAL YEAR
PAPER II – CRITICAL CARE MANAGEMENT**

Q.P. Code :231002

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20=40)

1. Mr. Palani is a chronic alcoholic with no diabetes. After a large intake of liquor, he had several bouts of vomiting. On physical examination, he responded only to painful stimuli. He had a low blood pressure and tachycardia. Acetone was not detected on his breath. The following laboratory values are obtained. Glucose-2.5mmol/L, Na⁺-116mmol/L, K⁺-3.5mmol/L, Cl⁻-66mmol/L, P_{Hco3}⁻-15mmol/L, Pco₂-30mmHg, Creatinine-2.0mg/dL, Albumin-4.5 gm/dL, BUN(Urea)-10 mg/dL((28mmol/L)
 - a. How will assess the acid base disorder in the above mentioned scenario and how will you manage the patient? What is the significance of low blood glucose?
2. A farmer was brought to the ER with unconscious state with respiratory distress. O/E two fang marks present in the right ankle with skin discolorations and oozing of blood. How will you manage this scenario?

II. Write notes on:

(10 x 6 = 60)

1. What are shockable and non-shockable cardiac rhythms and discuss the management shockable cardiac rhythms?
2. Write briefly on operating principles involved in the pulse oximetry and list the applications of pulse oximeter.
3. Discuss about the factors that interfere critical care cost of the patient and how will you control?
4. How will manage a patient with acute on chronic obstructive airway disease (COPD)?
5. Write the causes and management of pulmonary edema.
6. Discuss the local anaesthetic drug toxicity.
7. Discuss the management of DIC (Disseminated intravascular coagulation).
8. Write about hypertensive encephalopathy.
9. What are the indications, contraindications and complications of Lumbar puncture? And add a note on the technique of Lumbar puncture.
10. TRALI (Transfusion related lung injury).
