

**D.M. – CRITICAL CARE MEDICINE****Paper II – CORE CRITICAL CARE MEDICINE, TRAUMA,  
ORGANISATION***Q.P.Code: 161482***Time: Three Hours****Maximum: 100 Marks****I. Elaborate on:****(2 x 15 = 30)**

1. A 35 years old woman was extricated from a closed room on fire. She has been brought to the emergency room with approximately 30% burns. As a physician in the emergency room, how would you go about managing this patient for the next 24 hours? What is the role of albumin in resuscitating a burns victim?
2. What are the emergencies related to tropics (focusing on the Indian subcontinent) admitted to your ICU? Discuss the salient points in managing them.

**II. Write notes on:****(10 x 7 = 70)**

1. How would you go about establishing a protocol for blood sugar control in your ICU?
2. What is permissive hypotension in trauma? Discuss the indications and contraindications for permissive hypotension.
3. Discuss briefly “Macrophage Activation” syndrome.
4. What is concealed haemorrhage in trauma? How would you manage a patient with pelvic fracture with hemodynamic instability?
5. How best would you establish antibiotic stewardship in your ICU?
6. Discuss briefly about management of diarrhea in a critically ill patient.
7. Discuss the use of medium chain and long chain triglycerides in total parenteral nutrition?
8. What are the common quality indicators in ICU? Describe in detail one of them.
9. What are the differential diagnoses for acute severe asthma? What are the options available for management of refractory asthma?
10. Discuss causes of rhabdomyolysis in a critically ill patient. Briefly discuss the treatment and current evidence for rhabdomyolysis.

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