Write short notes on:

1. a) Define ‘Crush syndrome’.  
   b) Pathogenesis of shock and acute renal failure in Crush syndrome.  
   c) How will you manage such a case?  


3. a) Various indications and disadvantages of Trendelenberg’s position during anaesthesia and surgery.  
   b) How can these be prevented?  

4. Differentiate between standard deviation and standard error in case of quantitative data.  

5. a) What are universal precautions for HIV, HBV & HCV?  
   b) Transmission based precautions.  


7. a) What is the mechanism of action of neuraxial opioids?  
   b) Enumerate commonly used drugs for neuraxial block with their doses.  
   c) What are their advantages and adverse effects?  

8. Enumerate the changes in cardiovascular and respiratory systems in a full term pregnant patient.  


10. a) Permissive hypercapnia.  
    b) Dynamic hyperinflation and internal (occult) PEEP.  

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