

**Q.P.CODE:196-NR**

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA  
M.D. DEGREE EXAMINATION – MAY, 2017

**EMERGENCY MEDICINE**

Paper-I – Basic Sciences as relevant to Emergency Medicine

Time : 3 Hours

Max. Marks: 100

Note : Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

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WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Discuss the physiology of normal acid-base balance and outline causes and management of metabolic acidosis
- 2) Describe the basic process of hematopoiesis. What will be your approach to a case of severe anemia in the ED?
- 3) Describe the sites of portosystemic anastomosis. How will you diagnose and manage a case of hepatic encephalopathy?
- 4) Pharmacology of sedative hypnotic drugs
- 5) Serological tests for dengue fever
- 6) Chi square test
- 7) Pathophysiology, causes and management of SIADH
- 8) Discuss the mechanism of toxicity and treatment of organophosphate poisoning
- 9) Indications for oral anticoagulants and management of a patient on Warfarin who presents with intracerebral bleed
- 10) Causes, clinical features and management of hypocalcemia.

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