

## M.D. Examination

## Emergency Medicine : Branch XVIII

## Paper-I

## (Applied Basic Sciences)

Date : 02-04-2019, Tuesday]

Time : 3 Hours]

[Max. Marks : 100

- Instructions :** (1) Figure to the right indicates marks.  
(2) Write legibly and to the point.  
(3) Draw diagrams wherever necessary.

1. Write briefly about coronary circulation. Define Acute Coronary syndrome and discuss its etio-pathogenesis and management in Emergency Department. (7+5+5+8)
  2. Discuss briefly about the maintenance of sodium and water balance in the human body. Describe the etiology, clinical features and management of hyponatremia. (10+5+5+5)
  3. Discuss the bilirubin metabolism and the enterohepatic circulation. Describe the management of a patient with acute variceal bleeding in ED. (10+5+10)
  4. Describe the physiology of respiration. Discuss the pathophysiology, etiology, clinical features and management of a patient with hypoxia in ED. (5+5+5+5+5)
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## M.D. Examination

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## Paper II

Date : 04-04-2019, Thursday]  
Time : 3 Hours]

[Max. Marks : 100

- Instructions :** (1) Figure to the right indicates marks.  
(2) Write legibly and to the point.  
(3) Draw diagrams wherever necessary.

1. An adult patient is brought to ED with history of fever with altered sensorium. Enumerate the causes. How will you investigate the patient ? Discuss the management of a patient with tubercular meningitis. (6+10+10)
  2. Discuss the pathophysiology and diagnostic criteria of Diabetic Ketoacidosis. Outline the management of a patient with Diabetic Ketoacidosis in ED. (10+6+10)
  3. Write short notes on : (6x4= 24)
    - (A) Brain death – diagnosis and certification.
    - (B) Adult triaging in a mass casualty.
    - (C) Management of acute burn injury.
    - (D) Quick Sequential Organ Failure Assessment score.
  4. Write short notes on : (6x4= 24)
    - (A) Myxedema coma.
    - (B) Local Anesthetic agents.
    - (C) Blast injuries.
    - (D) Complications associated with Anti-snake venom administration.
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## M.D. Examination

## Emergency Medicine : Branch XVIII

## Paper III

Date : 08-04-2019, Monday]  
Time : 3 Hours]

[Max. Marks : 100

- Instructions :** (1) Figure to the right indicates marks.  
(2) Write legibly and to the point.  
(3) Draw diagrams wherever necessary.

1. Enumerate the causes of fever in neonate. How will you evaluate and manage a neonate with fever ?  
(6+10+10)
  2. A young male presents to the Emergency with fever and purpuric rash. Enumerate the causes. What are the "warning signs" in Dengue fever ? How will you treat a patient with Dengue Shock Syndrome.  
(10+6+10)
  3. Write short notes on : (6x4= 24)
    - (A) Colle's fracture.
    - (B) Acute radiation syndrome.
    - (C) Vaginal bleeding in second half of pregnancy.
    - (D) Stridor in a child.
  4. Write short notes on : (6x4= 24)
    - (A) Forensic aspects of bullet injury.
    - (B) Role of ultrasound in a patient with shock.
    - (C) Orthostatic hypotension.
    - (D) Cyanosis in a new born.
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## M.D. Examination

## Emergency Medicine : Branch XVIII

## Paper IV

Date : 10-04-2019, Wednesday]

[Max. Marks : 100

Time : 3 Hours]

- Instructions :** (1) Figure to the right indicates marks.  
(2) Write legibly and to the point.  
(3) Draw diagrams wherever necessary.

1. How will you suspect a case of Child abuse? Describe the examination of a case of suspected child abuse. Outline the management of a case of child abuse. (6+10+10)
  2. What are the causes of acute headache in an elderly hypertensive patient? How will you investigate and manage a patient with subarachnoid hemorrhage? (6+10+10)
  3. Write short notes on : (6x4= 24)
    - (A) Cerebral autoregulation.
    - (B) Surgical airway management.
    - (C) Post cardiac arrest syndrome.
    - (D) Prehospital management of a patient with spinal injury.
  4. Write short notes on : (6x4= 24)
    - (A) Continuous Renal Replacement Therapy.
    - (B) ATLS protocol.
    - (C) Rapid sequence intubation.
    - (D) Oleander poisoning.
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