

M.D. Examination
Paediatrics : Branch V
Paper-I
(Applied Basic Sciences)

[Max. Marks : 100]

Date : 02-04-2019, Tuesday]

Time : 3 Hours]

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

1. Describe the embryological development of heart in brief. Discuss the critical congenital heart diseases in neonatal period. [20]
 2. Discuss the Vit. D metabolism and describe nutritional rickets. [20]
 3. List out the causes of hyponatremia and briefly describe the management of SIDH (Syndrome of Inappropriate Secretion of Anti Diuretic Hormone). [20]
 4. Discuss the causes, diagnostic evaluation and management of intrauterine growth retardation. [20]
 5. Write Short Notes on: [20]
 - I. Z-score and its importance in Pediatrics
 - II. Acute tumour lysis syndrome
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0419E080

Candidate's Seat No : _____

M.D. Examination

Paediatrics : Branch V

Paper II

(General Medicine)

[Max. Marks : 100]

Date : 04-04-2019, Thursday]

Time : 3 Hours]

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

1. Discuss the screening and early interventions of neurodevelopmental disorders. [20]
 2. Enumerate the causes of pancytopenia in child. Discuss the clinical features, investigations and management of Fanconi's anaemia. [20]
 3. Discuss the causes, pathophysiology and management strategy of acute lung injury in children. [20]
 4. Write Short Notes on:
 - a) Blood component therapy. [10]
 - b) Neurocutaneous markers. [10]
 - c) Macrophage activation syndrome [10]
 - d) Dilated cardiomyopathy. [10]
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0419E132
M.D. Examination
Paediatrics : Branch V
Paper III
(Diseases of Children, etc.)

Candidate's Seat No : _____

[Max. Marks : 100]

Date : 08-04-2019, Monday]

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 approach a 2 years old child with anaemia?
Write about etiology, clinical features and management of megaloblastic anaemia. [20]
 2. Discuss the causes, diagnostic evaluation and management of childhood stroke. [20]
 3. Discuss the etiopathogenesis, laboratory evaluation and management of neonatal sepsis. [20]
 4. Write Short Notes on:
 - i. ICU Management of raised intracranial pressure. [10]
 - ii. Prenatal diagnosis of Down's syndrome [10]
 - iii. Hypoglycaemia in newborn [10]
 - iv. Attention deficit hyperactivity disorder [10]
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M.D. Examination
Paediatrics : Branch V
Paper IV

(Modern Trends & Recent Advances)

Date : 10-04-2019, Wednesday]

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. Describe the life threatening arrhythmias in children. Discuss the diagnosis and management of supraventricular tachycardia. [20]
 2. Enumerate the various vasculitis Syndrome. Discuss the diagnosis, and management of Kawasaki disease. [20]
 3. Describe the normal coagulation cascade. Discuss the interaction of inflammation and coagulation. [20]
 4. Write Short Notes on:
 - i. Iron chelation therapy in Thalesemia. [10]
 - ii. Capnography [10]
 - iii. Extracorporeal life support [10]
 - iv. Organ transplant in paediatrics [10]
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