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YJ—2616

M.D. PAEDIATRICS DEGREE EXAMINATION 2003

Paper I—BASIC SCIENCES

Time : Three Hours Maximum : 100 Marks

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.

Answer **all** *questions.*

I. Long Essays :

1 Write the life cycle of falciparum malarial parasite.

Enumerate the drugs used in falciparum malaria infection and write briefly their action.

2 Write the foetal circulation and physiological changes which occur at birth.

(2 × 20 = 40 marks)

II. Short Essays :

3 Loop diuretics and their mode of action.

4 Radiological changes in active and healing rickets.

5 Definition and causes of metabolic acidosis.

6 Pathophysiology of Hypernatraemia.

7 FAB (French-American-British) classification of acute lymphoblastic leukaemia.

8 Developmental basis of diaphragmatic hernia.

(6 × 10 = 60 marks)

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YJ—2617

M.D. (PAEDIATRICS) DEGREE EXAMINATION, 2003

Paper II—FOETAL AND NEONATAL MEDICINE

Time : Three Hours Maximum : 100 Marks

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.

Answer **all** *questions.*

I. Long Essays :

1 A term female baby weighing 2.9 kg. was brought with convulsions 16 hrs. after birth. What are the likely causes ? How will you investigate this baby ? Give the steps in the management.

(6 + 8 + 6 = 20 marks)

2 A male baby weighing 1.5 kg. was delivered at 33 weeks gastation. What are the problems you anticipate ? How will you manage them ?

(8 + 12 = 20 marks)

[2 × 20 = 40 marks]

II. Short Essays :

3 Immunological advantages of breast milk.

4 Rapid screening tests for neonatal sepsis.

5 Complications of exchange transfusion.

6 Ponderal index.

7 Non immune hydrops fetalis.

8 Pulmonary hemorrhage.

(6 × 10 = 60 marks)

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YJ—2618

M.D. PAEDIATRICS DEGREE EXAMINATION
2003

Paper III—GENERAL PAEDIATRICS

Time : Three Hours Maximum : 100 Marks

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.

Answer **all** *questions.*

I. Long Essays :

1 Write the principles of development. Enumerate the developmental milestones of a nine months old infant.

2 Write the I.A.P. classification of protein energy malnutrition. Enumerate the causes, clinical features and complications of Kwashiorkor. Write a model diet for an one year old child weighing 5 kg.

(2 × 20 = 40 marks)

II. Short Essays :

3 Newer Anticonvulsants.

4 Recent advances in diagnosis of thalassaemia major.

5 Management of immune thrombocytopenic purpura.

6 Craniophryngioma.

7 Sturge-Weber syndrome.

8 Barter's syndrome.

(6 × 10 = 60 marks)

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YJ—2619

M.D. (PAEDIATRICS) DEGREE EXAMINATION, 2003

Paper IV—SOCIAL PAEDIATRICS AND PAEDIATRIC EMERGENCIES

Time : Three Hours Maximum : 100 Marks

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.

Answer **all** *questions.*

I. Long Essays :

1 Define infant mortality rate. What are the common causes for infant mortality in your area ?

Suggest steps for reducing infant mortality.

(3 + 7 + 10 = 20 marks)

2 A 10 years old boy is brought with headache. On examination, his blood pressure was found to be 160/110 mm. of Hg. He has no oligurea or swelling of body. What are the likely causes ? How will you investigate and manage this child ?

(6 + 6 + 8 = 20 marks)

[2 × 20 = 40 marks]

II. Short Essays :

3 Management of Iron poisoning.

4 Management of status epilepticus.

5 Perinatal transmission of HIV infection.

6 Super oral rehydration solution.

7 Battered child.

8 Management and prevention of cyanotic spell.

(6 × 10 = 60 marks)

Total No. of Pages : 1]

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Code No. YJ-2933-A

THE STUDENTS BELONGING TO 2000-2001 BATCH AND ONWARDS SHALL ANSWER THIS QUESTION PAPER ONLY

M.D. PAEDIATRICS DEGREE EXAMINATION, 2003
PAEDIATRICS - PAPER - I

Time : 3 Hours] *[Max. Marks : 100*

N.B:-

Answer all questions.

Long Essays: [2x20=40]

1. Discuss bilirubin metabolism. Describe the aetiology, investigations and treatment of prolonged obstructive jaundice in infancy.
2. Discuss the evolution of primary tuberculosis in childhood. Discuss the diagnosis and management of tuberculous meningitis.

Short Essays : [6x10=60]

3. Choledochal cyst
4. Hypothermia
5. Subcutaneous fat necrosis
6. Kernicterus
7. Cerebral malaria
8. Enuresis

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Total No. of Pages : 1]

(40)

Code No. YJ-2933

THE STUDENTS BELONGING UPTO 1999-2000 BATCH SHALL ANSWER THIS QUESTION PAPER ONLY

M.D. PAEDIATRICS DEGREE EXAMINATION, 2003

PAEDIATRICS - PAPER - I

Time : 3 Hours] *[Max. Marks : 100*

N.B:-

Answer all questions.

Long Essays: [2x20=40]

1. Discuss liver function tests. How they are useful in diagnosing the cause of jaundice? [10+10]

2. Classify antiepileptic drugs. Discuss the drugs useful in petitmal epilepsy. [10+10]

Short Essays: [6x10=60]

3. Hepatitis-B vaccine
4. Third generation cephalosporins
5. Formation and circulation of cerebrospinal fluid.
6. Gram staining.
7. Forced expiratory volume.
8. Gene therapy.

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2933

Total No. of Pages : 1] **Code No. YJ-2934-A**

THE STUDENTS BELONGING TO 2000-2001 BATCH AND ONWARDS SHALL ANSWER THIS QUESTION PAPER ONLY

M.D. PAEDIATRICS DEGREE EXAMINATION, 2003
PAEDIATRICS PAPER - II

Time : 3 Hours] *[Max. Marks : 100*

Instructions:

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.
Answer all questions.

Long Essays: [2x20=40]

1) Discuss the liver function test and their use in clinical medicine? [10+10]

2) A 6 year old child is brought with history of oliguria and swelling of the body for 3 days? How will you investigate and manage this child? [10+10]

Short Essays : [6x10=60]

3) Broad spectrum antihelminthics.

4) Monoclonal antibodies.

5) Potassium sparing diuretics.

6) Antiviral drugs.

7) Helicobacter pylori infection.

8) Hepatitis B vaccine.

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Total No. of Pages : 1]

Code No. YJ-2934

THE STUDENTS BELONGING UPTO 1999-2000 BATCH SHALL ANSWER THIS QUESTION PAPER ONLY

M.D. PAEDIATRICS DEGREE EXAMINATION, 2003

PAEDIATRICS - PAPER - II

Time : 3 Hours] *[Max. Marks : 100*

Answer all questions.

Long Essays:

[2x20=40]

1) You are appointed as a pediatrician in a maternity hospital with 6000 deliveries per year. The hospital administration wants you to develop a neonatal unit. Give the details with regard to space, equipment, man power and other facilities required. [3+6+5+6]

2) A 3 kg. term male baby delivered with thick meconium stained liquor. What steps will you undertake before and during delivery for better neonatal outcome? The baby develops grunting and distress after birth. What investigations will you undertake? How will you manage the baby? What are the complications that may develop? [5+5+6+4]

Short Essays:

[6x10=60]

3) Surfactant therapy.

4) Causes and management of neonatal hypoglycemia.

5) Physiological anemia of newborn.

6) Kangaroo Mother Care (KMC)

7) Retinopathy of prematurity.

8) Persistant pulmonary hypertension.

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Total No. of Pages : 1]

Code No. YJ-2935-A

THE STUDENTS BELONGING TO 2000-2001 BATCH AND ONWARDS SHALL ANSWER THIS QUESTION PAPER ONLY.

M.D. PAEDIATRICS DEGREE EXAMINATION, 2003
PAEDIATRICS - PAPER - III

Time : 3 Hours] *[Max. Marks : 100*

N.B:-

Answer all questions.

Long Essays: [2x20=40]

1) Discuss the aetiology, clinical features and management of acute left ventricular failure.

2) Discuss the various drug regimes for treatment of different forms of tuberculosis.

Short Essays: [6x10=60]

3) Undescended testes

4) Treatment of scorpion envenomation

5) Radio nuclear imaging in children

6) Oral chelation therapy

7) Fetal haemoglobin

8) Complications of steroid therapy

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Total No. of Pages : 1]

Code No. YJ-2935

THE STUDENTS BELONGING UPTO 1999-2000 BATCH SHALL ANSWER THIS QUESTION PAPER ONLY.

M.D. PAEDIATRICS DEGREE EXAMINATION, 2003

PAEDIATRICS - PAPER - III

Time : 3 Hours] *[Max. Marks : 100*

N.B:-

Answer all questions.

Long Essays:

[2x20=40]

1) Define vasculitis. Classification of vasculitis. Discuss clinical features and management of kawasaki disease.

2) Describe nutritional emergencies in children and their management and prevention.

Short Essays:

[6x10=60]

3) Management of retractory/resistant nephrotic syndrome

4) Clinical features of a paediatric tins.

5) Dermatoglyphics

6) Diagnosis of deafness in paediatric age group

7) Indications of MRI and CT Scan in paediatrics

8) Recent advances in diagnosis and treatment of epileptic disorders in childrens

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Total No. of Pages : 1] (45) **Code No. YJ-2936-A**

THE STUDENTS BELONGING TO 2000-2001 BATCH AND ONWARDS SHALL ANSWER THIS QUESTION PAPER ONLY

M.D. PAEDIATRICS DEGREE EXAMINATION, 2003
PAEDIATRICS PAPER - IV

Time : 3 Hours] *[Max. Marks : 100*

Instructions:

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.
Answer all questions.

Long Essays: [2x20=40]

1. Define infant mortality rate. What are the common causes in your area? Suggest steps for reducing it? [4+8+8]
2. What are the common types of poisoning in children in your locality? How will you manage a 3 year old child with iron poisoning? [6+14]

Short Essays : [6x10=60]

3. Super oral rehydration solution.
4. Learning disability.
5. Status epilepticus.
6. Cold chain.
7. Child guidance clinic.
8. Radiological changes in Rickets.

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Total No. of Pages : 1] (46) **Code No. YJ-2936**

THE STUDENTS BELONGING UPTO 1999-2000 BATCH SHALL ANSWER THIS QUESTION PAPER ONLY

M.D. PAEDIATRICS DEGREE EXAMINATION, 2003

PAEDIATRICS PAPER - IV

Time : 3 Hours] *[Max. Marks : 100*

N.B:-

Answer all questions.

Long Essays: [2x20=40]

1. Write a plan for organising a paediatric emergency department (casualty) in a 250 bed hospital catering to 100,000. People living within an area of 100 square kilometers.

2. Write the definitions of:

   a) Perinatal mortality rate

   b) Neonatal mortality rate

   c) Infant mortality rate

   Enumerate the causes of infant mortality in India and write a plan to reduce infant mortality.

Short Essays: [6x10=60]

3. Clinical features, Radiological findings of foreign body aspiration.
4. Ambiguous genitalia in a neonate
5. Newer typhoid vaccines
6. Acute flaccid paralysis survillence
7. Prevention of accidental poisoning
8. Snake Envenomation

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