



RAN-3776

MD (Final / Annual) Examination

July - 2020

Paediatrics : Paper - I

Time: 3 Hours]

[Total Marks: 100

सूचना : / Instructions

नीचे दशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लखवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

MD (Final / Annual)

Name of the Subject :

Paediatrics : Paper - I

Subject Code No.: 3 7 7 6

Seat No.:

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Student's Signature

(1) Each question of 10 marks

1. Discuss pH and base excess. Discuss briefly compensatory mechanisms during metabolic acidosis.
2. Normal cardiac cycle and supraventricular tachycardia.
3. Coagulation pathway in health and disease.
4. Describe the life cycle of malarial parasite. Discuss the management of severe falciparum malaria in a child weighing 10 Kg.
5. Infectious and immune complications of Blood Transfusion in children and prevention.
6. Recombinant technology and its use in pediatrics
7. Doctor -patient relationships and its importance to stop violence against doctors.
8. Development of trachea and esophagus and types of Tracheo-esophageal fistula.
9. Describe the laws of progression of gross motor development.
10. Physiology of Lactation.



RAN-3777

MD (Annual) Examination

July - 2020

Paediatrics : Paper - II

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

MD (Annual)

Name of the Subject :

Paediatrics : Paper - II

Subject Code No.: 3 7 7 7

Seat No.:

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Student's Signature

(1) Each question of 10 marks.

1. Compare whole body vs. selective head cooling in newborn and its role in the prevention of HIE.
2. Discuss the Human Milk banking and explain the provisions of Infant Milk Substitute (IMS) Act.
3. Define the principles of immunology and discuss the vaccination of a 1700 gm baby born at term..
4. Define Perinatal Mortality Rate (PMR) and discuss the comprehensive strategies in your state for reduction of Infant Mortality Rate (IMR).
5. Define neonatal Cholestasis, its patho-physiology and recent trends in the management.
6. Discuss the components of Apgar Score and elaborate its usefulness at 5 and 15 minutes at birth.
7. Discuss the process of coagulation and approach to the bleeding newborn.
8. Recent advances for lung protective management strategies for BPD.
9. Discuss briefly Nasal CP AP and compare it to Non-invasive Ventilation (NIV).
10. Pathophysiology and risk factors of neonatal sepsis.



RAN-3778

MD (Annual) Examination

July - 2020

Paediatrics : Paper - III

Time: 3 Hours]

[Total Marks: 100

सूचना : / Instructions

नीचे दशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लखवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

MD (Annual)

Name of the Subject :

Paediatrics : Paper - III

Subject Code No.: 3 7 7 8

Seat No.:

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Student's Signature

(1) Each question of 10 marks.

1. Discuss the management of frequent relapsing Nephrotic Syndrome and monitoring of a patient on the steroid therapy.
2. List the causes of congestive heart failure in a 2 years old child. Describe different types of VSD according to position and size.
3. Diagnosis and management of child with Autism.
4. Vaccination in adolescents.
5. Prevention and management of Hemophilia in children.
6. Salient features of National Tb Elimination Programme(NTEP).
7. Role of Vit D in health and disease.
8. Use of Pulse oximetry in pediatric practice.
9. Discuss the utility of RBC indices in the hematological disorders.
10. Rashtriya Bal Swasthya Karyakaram (RBSK).



RAN-3779

MD (Annual) Examination

July - 2020

Paediatrics : Paper - IV

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

MD (Annual)

Name of the Subject :

Paediatrics : Paper - IV

Subject Code No.: 3 7 7 9

Seat No.:

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Student's Signature

(1) Each question of 10 marks

1. Discuss the vaccination programme in the community and latest the immunization schedule upto 5 years of age.
2. Define Rational use of drugs. What are the factors underlying irrational use of drugs. Give Rational antibiotic therapy in fever without focus. Pneumonia and Diarrhoea.
3. Classify anaemia. Discuss the approach to a child with anaemia, and recent advances in the management of thalassemia.
4. Probiotic use in newborn and children.
5. Recent developments in the management of fluid refractory shock.
6. Haemophagocytic syndrome.
7. Newer drugs in the management of migraine in children.
8. Management of multi drug resistant typhoid.
9. Paracetamol poisoning.
10. Gene therapy.



RAN-2006280101010001

RAN-2006280101010001

DCH Examination

July - 2020

Paediatrics

Basic Sciences and Neonatology : Paper-I (Set-III)(DCH)

सूचना : / Instructions

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नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

DCH

Name of the Subject :

Paediatrics Basic Science and Neonatology : Paper-I (Set-III)(DCH)

Subject Code No.: 2006280101010001

Seat No.:

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Student's Signature

LAQ

- 1) Discuss the pathophysiology, clinical features , prevention and management of necrotising enterocolitis in newborn babies. [20]
- 2) Discuss development of testis. Enumerate the various causes of undescended testis and describe the emergency management of torsion of testes. [20]

SAQ :

[60]

- 1) Role of zinc therapy in children.
- 2) Radiological feature of scurvy .
- 3) Strategies for preventing nosocomial infections in NICU.
- 4) Hypokalaemia.
- 5) Growth Velocity Curve.
- 6) Causes and clinical manifestations of anaemia at birth.



RAN - 2006280101020001

RAN-2006280101020001

DCH Examination

July - 2020

Paediatrics

General and Community Paediatrics : Paper-II (Set-II)(DCH)

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

DCH

Name of the Subject :

Paediatrics General and Community Paediatrics : Paper-II (Set-II)(DCH)

Subject Code No.: 2006280101020001

Seat No.:

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Student's Signature

LAQ

- 1] Enumerate the causes of short stature. Describe the clinical features, investigations and management of hypopituitarism. [20]
- 2] Describe principles of IMNC guidelines and enumerate the steps of case management and management of child with fever. [20]

SAQ :

[60]

- 1] Adolescent friendly reproductive and sexual health services.
- 2] Hurdles in eradication of poliomyelitis from india.
- 3] Evaluation of health of child to be adopted.
- 4] Anthropometric assessment of malnutrition.
- 5] Factors affecting growth.
- 6] Universal immunization programme.



RAN - 2006280101030001

RAN-2006280101030001

DCH Examination

July - 2020

Paediatrics

Systemic Paediatrics : Paper - III (Sem - II) (DCH)

सूचना : / Instructions

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नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

DCH

Name of the Subject :

Systemic Paediatrics : Paper - III (Sem - II) (DCH)

Subject Code No.: **2006280101030001**

Seat No.:

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Student's Signature

LAQ

- 1] What is systemic inflammatory response syndrome ? Enumerate causes. [20]
Discuss the pathophysiology and management of septic shock.
- 2] Enumerate the causes of Hematuria in children. Discuss [20]
etiopathogenesis, clinical features, laboratory diagnosis and
management of acute glomerulonephritis.

SAQ :

[60]

- 1) Cerebral palsy.
- 2) Urinary tract infection.
- 3) Temper tantrums and breath holding spells.
- 4) Cretinism.
- 5) Kerosene poisoning.
- 6) Treatment of malaria.