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MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS, GROWTH AND DEVELOPMENT

Monday, April 02, 2007

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions.

1. Briefly write about the factors which determine the need, dose and timing for vaccination. Write about the recommended immunisation schedule for our country. Add a note on optional vaccines – type, dose and recommended ages.

(30 marks)

2. Write short notes on:

- 2A. Developmental assessment in a child of school going age.
- 2B. Psychosocial development during adolescence – its implications.
- 2C. Metabolic response to shock.
- 2D. Skin – A clue to systemic disorders in children.
- 2E. Growth velocity curves.
- 2F. Evaluation of a 4 year old girl, weighing 12 kg and 90 cm tall.
- 2G. Alpha – interferon.

(10×7 = 70 marks)

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MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER II: NEONATOLOGY, SOCIAL AND PREVENTIVE PAEDIATRICS, NUTRITION

Tuesday, April 03, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer all the questions.**

1. A 3 day old neonate is brought with poor sucking for one day. Outline your approach to the problem. How will you proceed to investigate and manage a neonate with sepsis?

(30 marks)

2. Write short notes on:

- 2A. Set up of day care centre for under fives.
- 2B. Immunological properties of breast milk.
- 2C. Evaluation of fetal well being.
- 2D. Amylase Rich Food.
- 2E. Integrated management of childhood illnesses.
- 2F. Trace Elements.
- 2G. Dietary advise in a child with Renal Disease.

(10×7 = 70 marks)

Reg. No.

MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER III: IMMUNOLOGY, IMMUNE RELATED DISEASES, INFECTIOUS DISEASES, HAEMATOLOGY AND ONCOLOGY

Wednesday, April 04, 2007

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions

1. Discuss the epidemiology, pathogenesis, clinical features, complications and management of Acute Bacterial Meningitis beyond newborn period.

(30 marks)

2. Write short notes on:

- 2A. Stains used for microbiologic examination.
- 2B. Kawasaki Disease.
- 2C. Bone marrow transplantation.
- 2D. Chediak – Higashi Syndrome.
- 2E. Severe combined immuno deficiency.
- 2F. Neuroblastoma staging in children.
- 2G. MESNA.

(10×7 = 70 marks)

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MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING PAEDIATRIC SURGERY

Thursday, April 05, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer all the questions**

1. Discuss the epidemiology, pathogenesis, clinical features, complications and management of haemolytic uraemic syndrome.

(30 marks)

2. Write short note on:

- 2A. Pneumocystis Carinii Prophylaxis.
2B. Vaccines with selected indications.
2C. Hirschprung's disease.
2D. Pulse oximetry.
2E. Hashimoto's thyroiditis.
2F. Ataxia – Telangiectasia.
2G. Work up and long term management of a child with urinary tract infection.

(10×7 = 70 marks)



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MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2007

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS, GROWTH
AND DEVELOPMENT

Monday, October 01, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ Answer all the questions.

1. What are the causes of acidosis in children? Discuss the clinical features and management of hyperkalemia.

(30 marks)

2. Write short notes on:

2A. Active versus passive Euthanasia in Paediatrics.

2B. Growth chart deviation and interpretation.

2C. Enuresis.

2D. Dyslexia.

2E. Abuse and neglect of children.

2F. Zinc in Paediatrics.

2G. Ondansetron.

(10×7 = 70 marks)

MANIPAL UNIVERSITY**MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2007****SUBJECT: PAPER II: NEONATOLOGY, SOCIAL AND PREVENTIVE PAEDIATRICS, NUTRITION**

Wednesday, October 03, 2007

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer all the questions.**
 - ✍ **Write answers that are brief, clear, relevant and legible.**
 - ✍ **Illustrate wherever appropriate.**

1. What do you mean by the terms obesity, overweight? How would you approach a 10 year old boy with obesity? Briefly outline the management of exogenous obesity.

(30 marks)

2. Write short notes on:

- 2A. Conditions encountered in the first 10 days of life requiring only reassurance.
- 2B. Antenatal interventions in ensuing a better outcome in subsequent pregnancies.
- 2C. H. Influenza B Vaccine.
- 2D. Acute flaccid paralysis surveillance.
- 2E. Steps to be taken at community and individual level to prevent accidents.
- 2F. PPHN.
- 2G. Laboratory findings in neonatal septicemia.

(10×7 = 70 marks)

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MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2007

SUBJECT: PAPER III: IMMUNOLOGY, IMMUNE RELATED DISEASES, INFECTIOUS DISEASES, HAEMATOLOGY AND ONCOLOGY

Thursday, October 04, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer all the questions.**

1. Discuss the epidemiology, pathogenesis, clinical features, complications and management of septic shock in children.

(30 marks)

2. Write short notes on:

2A. Rapid antigen tests.

2B. Familial Mediterranean fever.

2C. Idiopathic thrombocytopenic purpura.

2D. Chronic granulomatous disease.

2E. Di-George Syndrome.

2F. Childhood Histiocytosis.

2G. Targeted therapy in cancer.

(10×7 = 70 marks)

MANIPAL UNIVERSITY**MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2007****SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING PAEDIATRIC SURGERY**

Friday, October 05, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ Answer all the questions.

1. A 6 month old child weighing 4.5 kg is brought to you with respiratory distress. Outline the points in history and physical examination which will help you arrive at a probable diagnosis. Write a brief note on the management of any one of them.

(30 marks)

2. Write short notes on:

- 2A. Sleep disorders in children.
2B. Long term management of a child with Insulin Dependent Diabetes Mellitus.
2C. “Shape the Future of Life: Healthy Environment for children” – Steps you would take to achieve this.
2D. Evaluation of a child passing red urine.
2E. Myoclonic seizures.
2F. Gastrooesophageal Reflux Disease.
2G. Strabismus.

(10×7 = 70 marks)

