

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 3009

M.D. DEGREE EXAMINATION

BRANCH – FAMILY MEDICINE

**PAPER IV: OBSTETRICS AND GYNAECOLOGY, PAEDIATRICS,
COMMUNITY MEDICINE, RECENT ADVANCES (AS APPLIED TO FAMILY
MEDICINE)**

Q.P. Code: 203009

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A 5 year old child is brought to you with history of swelling of the feet for the past 2 days. Describe the differential diagnosis, clinical features and investigations for management. Discuss the management of acute post streptococcal glomerulonephritis.
2. There has been an outbreak of diarrhea in a community covered by your community health centre. Describe how you will investigate and manage this.

II. Write notes on:

(10 x 7 = 70)

1. White discharge per vaginum
2. Dysmenorrhea
3. Induction of labour
4. Approach to abdominal pain in a full term pregnant lady.
5. Urinary tract infection in the infant
6. Febrile seizures
7. Ayushman Bharat Yojana
8. Symptoms, diagnosis and management of COVID-19 infection.
9. Infantile eczema
10. IMNCI guidelines for management of child with respiratory illness

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Q.P. Code: 203009

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. A 24 year old married lady comes to you with spontaneous bleeding per vaginum after she has missed her periods the previous month. Her urine pregnancy test positive a week ago
 - List common differential diagnoses.
 - How would you clinically differentiate different types of abortion?
 - Briefly describe the management of inevitable abortion.
2. You have been posted in a rural community health centre. You have noted that there were 30% of low birth weight infants among new born children during the first quarter of 2014. You plan to determine the risk factors of low birth weight. Answer the following:
 - What is the type of study design you need to use if it has to be completed within a year of your posting and mention reasons.
 - State the objective of the study.
 - Mention the methodology of the study.
 - How will you analyse the data.

II. Write notes on: (10 x 7 = 70)

1. Integrated management of vector control.
2. Prevention of mother to child transmission of HIV.
3. Principles of PEM management.
4. How would you approach an unconscious child in your clinic?
5. Common childhood behavioral problems and their management.
6. Emergency contraception.
7. Water related diseases: enumerate and mention the magnitude of problem in India.
8. Emerging and re-emerging infectious diseases.
9. A one-year-old child is brought to you with diarrhea and dehydration. How would you manage the patient?
10. Causes and management of obstructed labour.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MD 0522]

MAY 2022

Sub. Code: 3009

**M.D. DEGREE EXAMINATION
BRANCH – FAMILY MEDICINE**

**PAPER IV: OBSTETRICS AND GYNAECOLOGY, PAEDIATRICS,
COMMUNITY MEDICINE, RECENT ADVANCES
(AS APPLIED TO FAMILY MEDICINE)**

Q.P. Code: 203009

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A 43 year old lady presents to you with white discharge per vaginum.
 - a. Discuss the differential diagnosis
 - b. Outline the risk factors, clinical features and management of carcinoma of the cervix
 - c. Describe the various methods for screening and diagnosis of carcinoma of the cervix
2. Describe the risk factors, clinical features, management and complications of Down's syndrome. What is a role of the family physician in the management of a child with this condition?

II. Write notes on:

(10 x 7 = 70)

1. Preterm rupture of membranes
2. Infantile colic
3. Polycystic ovarian syndrome
4. Postpartum depression
5. Case control and cohort study
6. Adult vaccination
7. Air pollution
8. Antepartum haemorrhage
9. Contraception methods
10. Use of electronic medical records in family practice

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 3009

M.D. DEGREE EXAMINATION

BRANCH XXV – FAMILY MEDICINE

(Candidates admitted from the academic year 2017-18 onwards)

**PAPER IV - OBSTETRICS AND GYNAECOLOGY, PAEDIATRICS,
COMMUNITY MEDICINE, RECENT ADVANCES
(AS APPLIED TO FAMILY MEDICINE)**

Q.P. Code: 203009

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A Primigravida at 36 weeks of gestation is admitted with increased swelling of the legs and face for past 2 days. She is booked and immunized with no previous risk factors. Today, she has a blood pressure of 140/100 mm Hg, with puffiness of the face. Her urine albumin is 2+. She reports that she vomited twice at home.
 - a) What is your diagnosis? What are the imminent symptoms that may alert you about serious illness?
 - b) How will you assess the foetal well-being in this mother?
 - c) What are the maternal and foetal complications you expect in the next 24 hours?
 - d) How will you manage her pregnancy and labour?
2. 2-year-old child is brought to the family physician with h/o fever for the past 6 hours and one episode of generalised tonic-clonic seizures, 10 minutes ago. Mother describes that the seizures lasted for 30 seconds and stopped spontaneously, and child is now drowsy and not responsive since then.
 - a) What is your diagnosis? What are the additional history and examination that will help you to arrive at the diagnosis?
 - b) Describe the immediate management by the family physician.
 - c) How will you manage this child in the first 48 hours of hospitalization?
 - d) How will you follow-up this child on the long-term?

II. Write notes on:

(10 x 7 = 70)

1. After a full-term normal delivery, the new-born baby had the heart rate of 80 per minute and did not establish breathing immediately after the birth. At 1 minute after the birth, baby was floppy and had peripheral cyanosis. There was no grimace when the nurse was suctioning the oral cavity. What is the APGAR score at 1 minute? How will you provide neonatal resuscitation for this baby?

2. 5-year-old child with swelling of the legs and face for the past 5 days. Blood pressure is 80/60 mm Hg. JVP is not elevated. Urine albumin is 4+ in dipstick. How will you manage this child?
3. Briefly explain the IMNCI guidelines for diagnosis and management of pneumonia in Children.
4. Management of diabetes in pregnancy.
5. 34-year-old lady, mother of two children has come to you with lower abdomen pain and back pain with increased foul-smelling discharge per vagina. She reports high risk sexual behaviour in her husband. How will you differentiate physiological and pathological vaginal discharge? How will you manage her?
6. 38-year-old mother with 3 children has heavy menstrual bleeding, for past 3 cycles. She is using 7 to 8 pads a day and having periods for 6 to 7 days every 30 days. Her BMI is 30 and Hb is 8 grams%. How will you manage her?
7. Recent advances in the role of Opioids in pain management in Primary Care.
8. Recent advances in Anti-Retroviral Therapy for HIV.
9. In your primary health centre area, there is sudden increase in the incidence of diarrhoeal illness in children and adults, many children are brought in shock and severe dehydration. How will you investigate and manage this epidemic?
10. Briefly describe the National Programme for Health Care of the Elderly.

[MD 0723]

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 3009

**M.D. DEGREE EXAMINATION
BRANCH XXV – FAMILY MEDICINE**

**PAPER IV: OBSTETRICS AND GYNAECOLOGY, PAEDIATRICS,
COMMUNITY MEDICINE, RECENT ADVANCES (AS APPLIED TO FAMILY
MEDICINE)**

Q.P. Code: 203009

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A 23 year old primi at 38 weeks is brought to your community health centre with history of headache since morning. Her BP is 140/ 94 mm of Hg. Describe screening, diagnosis, complications and management of pregnancy induced hypertension. She develops generalized seizures in the hospital. Discuss how you will manage her further.
2. A 7 year old boy is brought to you with fever and headache for 4 days. Discuss the differential diagnosis and management of this child.

II. Write notes on:

(10 x 7 = 70)

1. Down's syndrome.
2. Prescribing in pregnancy and lactation.
3. Post menopausal bleeding per vaginum.
4. National mental health program.
5. Ectopic pregnancy.
6. Infantile eczema.
7. Health education of the community about COVID- 19.
8. IMNCI guidelines for management of acute diarrheal disease.
9. Management of asthma in childhood.
10. Management of bedwetting in a child.
