

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

[MD 1224]

**DECEMBER 2024
(OCTOBER 2024 EXAM SESSION)**

Sub. Code: 4076

M.D. DEGREE EXAMINATION

FAMILY MEDICINE

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

Q.P. Code: 204076

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

(2+8+5)

1. 2-year-old child weighing 7 kilograms, has been brought by the mother with history of loose stools and vomiting since yesterday. Mother reports decreased urine output. Child was born by LSCS and had a birth weight of 3.4 kg. The mother is breast feeding the child supplemented with cow's milk. Mother has not started any solid food as whenever solid food is started the child had diarrhoea. O/E the child is lethargic and vomiting even the fluids. The eyes are sunken.
 - a) What is the diagnosis?
 - b) How will you investigate and manage the child in the family practice? What are the indications of referral?
 - c) How will you manage the recovery of the nutritional status of the child?

(6+5+4)
2. 42-year-old woman, married for 14 years, has profuse bleeding PV for the past 3 days. She is using 7 to 8 pads per day. She has tiredness and lethargy. Her body mass index is 32, pulse rate is 68 per minute and blood pressure 140 / 90 mm Hg. She used to have regular cycles before. She has two living children and undergone sterilization operation.
 - a) What are the types of abnormal Uterine Bleeding? How will you manage the excessive bleeding PV in this patient now?
 - b) What are the investigations you would like to order? If her Hb is 8 grams, how will you manage her condition?
 - c) How will you manage this problem on the long run? What are the indications of hysterectomy in this patient?

II. Write notes on:

(10 x 7 = 70)

1. Recent adult vaccination schedule recommended in India.
2. Models of health education in the community.

3. How will you manage a child born in the community health center by normal vaginal delivery weighing 1.8 kilograms in the first one month.
4. You are posted as the medical officer in the community center which has a high Maternal Mortality Ratio (MMR). How will you reduce the MMR in your community.
5. There have been many children and adults presenting in the Community Health Center with fever and thrombocytopenia in the past one week after the recent rain. How will you manage the outbreak?
6. Describe the components of Janani Suraksha Yojana.
7. How will you implement the “National Water Supply and Sanitation program” in the rural areas.
8. How will you prevent children from Domestic Accidents?
9. Syndromic management of a woman with vaginal discharge with high-risk sexual behavior.
10. Recent advances in the use of World Health Organization Partograph in the monitoring of a woman in labour.

[MD 1224]

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

[MD 0525]

MAY 2025

Sub. Code: 4076

M.D. DEGREE EXAMINATION

FAMILY MEDICINE

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

Q.P. Code: 204076

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. 25-year-old Primi at 39+4 weeks, with no antenatal risk factors, admitted for safe confinement. (5+5+5)
 - a) Define and explain the stages of normal labor?
 - b) Describe the “WHO Labor Care Guide” and its use in a community health center?
 - c) How will you manage this woman if there is a delay in the second stage of labor?
2. 8 years old boy has come with the mother with complaints of puffiness of the face and high colored urine for the past 2 days. His urine output has reduced in the past two days. There is no history of fever, dysuria or vomiting. His JVP is elevated and has bilateral pitting pedal edema. His pulse rate is 96 / minute and blood pressure is 160 / 110 mm Hg. The auscultation of the chest reveals bilateral basal crackles. His urine microscopy shows RBC cast and albumin 2+.
 - a) What is your probable diagnosis?
 - b) How will you manage this boy in family practice?
 - c) How will you provide continuity of care? What are the indications for referral?

II. Write notes on:

(10 x 7 = 70)

1. How will you control Tuberculosis in your community if you are working as a Medical Officer in the Community Health Center using the National TB Elimination Program (NTEP)?
2. Adult vaccination for a 50-year-old diabetic man who travels frequently.
3. Management of Obesity in Children
4. Recent advances in Ant Retroviral Therapy for PLHIV.

5. Management of a 2-year-old child weighing 8 kilos with diarrhea and vomiting for two days. Child is thirsty, irritable and demanding water but vomiting the fluids given so far.
6. 35-year-old woman mother of two children presents with lower abdomen pain and profuse foul-smelling discharge per vaginum. How will you manage her?
7. Management of a 28-year-old woman married for 3 years and infertility. She has a BMI of 38. She has facial hair and Acanthosis nigricans. She has irregular cycles 2 / 60 to 90 days with scanty flow.
8. High risk pregnancy.
9. Recent advances in the management of post-partum hemorrhage in a community health center.
10. As a Family Physician, how will you reduce Infant Mortality Rate in your community?

[MD 0525]

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

[MD 1025]

OCTOBER 2025

Sub. Code: 4076

M.D. DEGREE EXAMINATION

FAMILY MEDICINE

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

Q.P. Code: 204076

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A 25-year-old lady G2P1L1 at 12 weeks of pregnancy comes for regular ANC; she gives a history of GDM in her previous pregnancy. (3+4+6+2)
 - a) What are the risk factors for GDM?
 - b) How do you screen for GDM in pregnancy?
 - c) How will you manage GDM in pregnancy?
 - d) How will you manage this lady postpartum?
2. A 10-year-old boy is brought into the hospital complaining of generalized body swelling over the last few days. (5+5+5)
 - a) How will you approach a child with generalized oedema?
 - b) How will you evaluate a child with nephrotic syndrome?
 - c) How will you manage a child with nephrotic syndrome?

II. Write notes on:

(10 x 7 = 70)

1. TB Mukht Bharat Abhiyan.
2. Antenatal care.
3. Antepartum haemorrhage.
4. Neonatal jaundice.
5. Abnormal uterine bleeding AUB.
6. Febrile seizure.
7. Child abuse.
8. Premature babies.
9. Medically unexplained symptoms.
10. Carcinoma cervix – screening and prevention.
