

**M. Sc. EPIDEMIOLOGY**  
**SEMESTER - IV EXAMINATION, JUNE - 2026**  
**(CMEC005) MATERNAL AND CHILD HEALTH**

**(Time Allotted: 3:00 Hours)****(Max. Marks: 100)****Note:** Read all the instructions carefully

Answer all questions in serial order, Draw suitable diagrams wherever necessary

**Q. 1. Objective type questions: (Attempt All)****(10 x 02 = 20)**

(Very short/ Short answer/ MCQ/ One liners/ Fill in the blanks/ True/False)

- a. Which of the following is a hormonal contraceptive method? (CO1, PO1)
  - i. Cu-T
  - ii. Condom
  - iii. Oral contraceptive pills
  - iv. Diaphragm
- b. Green colour in IMNCI indicates: (CO2, PO1)
  - i. Home care
  - ii. No treatment
  - iii. Urgent referral
  - iv. Specific medical treatment
- c. PM-POSHAN scheme is implemented in: (CO2, PO4)
  - i. Colleges
  - ii. Hospitals
  - iii. Schools
  - iv. All of the above
- d. National Deworming Day (NDD) is celebrated biannually across schools and Anganwadis in India during which months? (CO2, PO4)
  - i. January and July
  - ii. February and August
  - iii. March and September
  - iv. April and October
- e. Who is the primary community health functionary responsible for executing HBNC visits in rural India? (CO2, PO3)
  - i. Anganwadi Worker (AWW)
  - ii. Auxiliary Nurse Midwife (ANM)
  - iii. Accredited Social Health Activist (ASHA)
  - iv. Lady Health Visitor (LHV)
- f. Acute malnutrition characterized by rapid weight loss and severe muscle wasting is known as: (CO2, PO1)
  - i. Stunting
  - ii. Wasting
  - iii. Overweight
  - iv. Micronutrient deficiency
- g. Expand ICDS. (CO2, PO4)
- h. Exclusive breastfeeding is recommended for the first \_\_\_\_\_ months of life. (CO1, PO1)
- i. In a growth chart, the color \_\_\_\_\_ typically denotes the normal growth zone, while the color red indicates severe malnutrition. (CO2, PO1)
- j. Poshan Maah is celebrated nationwide every year in the month of \_\_\_\_\_ to improve nutritional outcomes for children, pregnant women, and lactating mothers. (CO2, PO4)

**Q. 2. Short notes / Short Answer Type (Attempt any five out of seven)****(5 x 4 = 20)**

- a. General danger signs assessed in IMNCI. (CO2, PO1)
- b. Conventional contraceptive (CO1, PO1)
- c. Ideal candidate for IUCD insertion. (CO1, PO1)
- d. Community Need Assessment Approach (CO1, PO4)
- e. What are the main symptoms of neonatal sepsis? (CO2, PO1)
- f. WASH Practices (CO2, PO4)
- g. Child abuse (CO2, PO3)

**Q. 3. Structured Question (Attempt any three out of four)****(3 x 10 = 30)**

- a. Describe IMNCI strategy in detail, including objectives, components, assessment, classification, treatment, counselling, and follow-up. (CO2, PO1,3)
- b. Define fertility indices and discuss their epidemiological importance. Explain Maternal Mortality Rate and the "Four Delays" model. (CO1, PO1,4)
- c. What is essential newborn care? Enlist the four core components of essential newborn care. (CO2, PO1)
- d. What is hypothermia? Why is immediate skin-to-skin contact emphasized in essential newborn care (CO2, PO1,3)

**Q. 4. Long Answer/Essay type (Attempt any two out of three)****(2 x 15 = 30)**

- a. Discuss antenatal, intranatal, and postnatal care in detail. Describe the importance of the first four antenatal visits. (CO1, PO1,4)
- b. Describe ICDS programme in detail, including objectives, beneficiaries, services, and challenges. (CO2, PO4,5)
- c. Describe the concept of "Cold Chain" in the Universal Immunization Programme (UIP). (CO2, PO1,4)