

**MATERNAL AND CHILD HEALTH**

**PAPER – I**

**Time : 3 hours**  
**Max. Marks : 100**

**MCH/D/10/16/I**

**Attempt all questions in order.**  
**Each question carries 10 marks**

**Write short notes on:**

- 1 What are the causes of infertility? Discuss the investigations to be carried out to diagnose a case of infertility. 4+6
- 2 What is replacement level fertility? What are its health implications? 3+7
- 3 What are the causes of maternal mortality? Describe the initiatives taken by Government of India to reduce maternal mortality? 4+6
- 4 What is Juvenile Delinquency? Discuss the role of Child Observation Homes in rehabilitation of such cases. 3+7
- 5 Discuss gender issues. What are the measures undertaken by the Government of India for women empowerment. 5+5
- 6 Discuss behaviour change communication. How it can be applied in reduction of infant mortality in India? 4+6
- 7 What are the components of School Health Services? Discuss the role of School Health Services in prevention and control of rheumatic fever/ rheumatic heart disease. 4+6
- 8 What are the childhood accidents? What measures can be undertaken to prevent childhood accidents? 5+5
- 9 What is demography cycle? Discuss the various stages of demography cycle. 3+7
- 10 Discuss the health problems of street children. How these health problems can be effectively prevented and managed? 4+6

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**PAPER – II**

**Time : 3 hours**

**Max. Marks : 100**

**MCH/D/10/16/II**

**Attempt all questions in order.  
Each question carries 10 marks**

**Write short notes on:**

1. What are the causes of diarrhea in Under-five children? How will you manage a case of diarrhea in one month old infant in IMNCI? 3+7
2. What is balanced diet? Discuss the nutritional requirements of a lactating mother. Draw the balanced diet for a lactating mother. 2+4+4
3. What is social security? Discuss social security measures undertaken by Government of India for welfare of mothers and children. 2+8
4. What are the basic principles of School Midday Meal? How will you implement School Midday Meal Programme in a district with 10 lakh population? 3+7
5. Discuss the various classifications of Protein Energy Malnutrition? How will you manage a 3 years old child with Grade III PEM? 4+6
6. Give the Immunization schedule of Government of India. How will you immunize a 9 months old previously un-immunized infant? 5+5
7. What are the common cancers in women? What measures can be undertaken for its prevention and early detection? 3+7
8. What are the common obstetrical emergencies? Discuss its early diagnosis and management at block level in India. 3+7
9. What is pediatric HIV/AIDS? Discuss the role of ICTC in its prevention and control. 2+8
10. What are the voluntary organizations and international agencies in the field of Health and Social Welfare? Discuss their role in MCH Care. 6+4



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**PAPER – III**

**MCH/D/10/16/III**

**Time : 3 hours**

**Max. Marks : 100**

**Attempt all questions in order.  
Each question carries 10 marks**

**Write short notes on:**

1. Discuss newer vaccines. Describe their role in prevention and control of diseases. 6+4
2. Describe the various provisions under MTP Act. Discuss the latest amendments in the Act done by Government of India. 5+5
3. What is the concept of Pulse Polio Immunization? How it is implemented by Government of India for eradication of poliomyelitis? 2+8
4. What is Special Neonatal Care Unit? How it is being established in district hospital under NRHM? 4+6
5. What is urbanization? Discuss its health effects on mother and children. 3+7
6. Describe the genetic disorders. How they can be prevented? 5+5
7. What is risk strategy in MCH Care? How it is implemented at district level in India? 4+6
8. Describe the Millennium Development goals in relation to MCH Care. How are they implemented by Government of India? 5+5
9. What is Common Review Mission under NRHM? Discuss the salient findings of CRM, 2009. 3+7
10. What is communication? Describe the role of communication and mass media in MCH services. 2+8

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### PAPER –IV

MCH/D/10/16/IV

Time :3 hours  
Max. Marks :100

Attempt all questions in order.  
Each question carries 10 marks

- 1 Enumerate measures of dispersion. Describe Standard Deviation with suitable diagram and examples. 2+5+3
- 2 List ocular manifestations of vitamin A deficiency. Describe measures for its prevention. 5+5
- 3 What is Gantt chart? Explain Gantt charting with suitable examples. 2+4+4
- 4 What is Verbal Autopsy? Describe in brief its advantages and disadvantages. 2+4+4
- 5 What is sickness Absenteeism? Describe its incidence, causes and prevention. 1+3+3+3
- 6 Briefly explain the indicators of utilization pattern of Hospital Beds. 10
- 7 What is planning cycle? Enumerate the steps of health planning cycle. Describe only first step in detail. 2+4+4
- 8 What is informed consent? Design a patient information sheet and consent form for a clinical trial of Japanese encephalitis vaccine. 3+7
- 9 What is geriatric age? Enumerate the major health problems of older person in India. Briefly discuss National Policy for older person. 1+4+5
- 10 What are the health effects of violence against women? Write in brief the Protections of Women from Domestic Violence Act 2005. 4+6