

**SOCIAL AND PREVENTIVE MEDICINE**

**PAPER- I**

Time : 3 hours  
Max. Marks : 100

SPM/D/11/45/I

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

1. What are the different stages in maternity cycle? What are the objectives and components of antenatal care? 2+3+5
2. Define fertility. Enumerate different indicators for measurement of fertility. Discuss various factors influencing fertility. 1+4+5
3. What are the roles and responsibility of ASHA (Accredited Social Health Activist)? Describe her role in integration with Anganwadi and with ANM (Auxiliary Nurse Midwife). 2+2+3+3
4. What do you understand by "Millennium Development Goals"? Describe the Goals related to maternal health in detail. 3+7
5. What is emergency obstetric care? Mention its key elements and how it is being implemented? 2+3+5
6. What is Information Education and Communication (IEC)? Describe its role in prevention and control of adolescent obesity. 4+6
7. What is an emergency contraceptive? Mention its usage, mechanism of action, merits and demerits. 2+2+2+2+2
8. Define maternal mortality rate (MMR). Discuss various post-natal causes and preventive measures to reduce MMR in India. 2+4+4
9. What are the health problems of school children? Write in brief the objectives and aspects of school health service. Describe healthful school environment. 2+2+2+4
10. Define low birth weight (LBW) infant. Describe the preventive measures for LBW infant. 2+8

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**PAPER- II**

Time : 3 hours  
Max. Marks : 100

SPM/D/11/45/II

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

1. What are the elements of case management process under Integrated Management of Neonatal and Childhood Illnesses (IMNCI)? Describe WHO Plan A, B and C for treatment of dehydration under IMNCI. 2.5 x 4
2. What is the importance of Rh factor? How will you counsel a 22 year old pregnant woman who is Rh negative and her husband is Rh +ve? 3+7
3. Enumerate the adverse events following immunization. Outline a plan to investigate the same. 6+4
4. Define impairment, disability and handicap. Describe primary, secondary and tertiary prevention for handicapped children. 3+2+2+3
5. Describe existing policies and legislations under national policy for children. 5+5
6. Define growth and development. What are the determinants of growth and development? What are the advantages of longitudinal and cross sectional assessment of growth? 2+4+4
7. What is the composition of WHO ORS mixture? What is the role of zinc in treatment of diarrhoea? 6+4
8. Define obesity. What are the commonly used criteria for assessment of obesity? Discuss in brief the hazards of obesity, and its prevention and control. 1+3+3+3
9. What are the common causes of mental handicaps in children? Describe briefly the measures for their prevention. 3+7
10. Enumerate and discuss the health indicators used to determine the Physical Quality of Life Index. 3+7

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**PAPER- III**

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

**SPM/D/11/45/III**

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

1. Define sex ratio. What are the factors affecting sex ratio? Comment on the current sex ratio for age group 0-6 years as per Census 2011 data? 2+4+4
2. What is telemedicine? How it can be effective in strengthening delivery of health care services in India? 3+7
3. What is health tourism? How it can be advantageous to user and provider? Mention its potential disadvantages. 2+2+3+3
4. What is surveillance? Describe the concept and objectives of Integrated Disease Surveillance Project (IDSP). Comment on the status of poliomyelitis in 2011. 2+2+4+2
5. What is meta-analysis? Enumerate the steps involved in meta-analysis and mention its uses. 2+6+2
6. What is vision 2020? Discuss in brief the main features of its plan of action and the proposed infrastructure for primary, secondary and tertiary eye care. 2+4+4
7. What are the child survival strategies under NRHM (National Rural Health Mission)? Discuss their strength and weakness with suggestions to improve the same. 3+3+4
8. What is SWOT analysis? Describe applying the same for polio eradication in India. 4+6
9. What do you mean by Health Management Information System (HMIS)? Describe the Health Management Information System under RNTCP. Give brief opinion on how to improve HMIS at district level? 2+4+4
10. Discuss the activities of UNICEF and its role in child survival. 6+4

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PAPER-IV

Time : 3 hours  
Max. Marks : 100

SPM/D/11/45/IV

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

1. Define evaluation. Name the various steps involved and describe anyone in detail. 3+3+4
2. Define network analysis. Write in brief about PERT (Programme Evaluation and Review Technique) and uses of PERT with suitable diagram. 2+3+2+3
3. Enumerate any five inventory control techniques. Describe EOQ (Economic Order Quantity) in detail. 5+5
4. What is family? Enumerate the phases of a nuclear family life cycle. Discuss the role of family in child rearing. 2+3+5
5. Describe the role of values, attitudes and feelings in health promotion. 3+3+4
6. What is supervision? Enumerate various methods of supervision and describe anyone of them. 2+4+4
7. What is meant by "normal"? Illustrate by standard normal curve. 4+6
8. Explain with suitable examples: sensitivity, specificity, positive predictive value and negative predictive value. 2.5X4=10
9. What is lead poisoning? Enumerate its clinical features, diagnostic tests and preventive measures. 2.5X4=10
10. Discuss in brief different phases in the course of dengue illness. Outline the algorithms for fluid management in compensated and hypotensive shock. 2+4+4

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