

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
