



All India Institute of Medical Sciences, Jodhpur

Indicative Syllabus for the Examination for the Post of Maternity and Child Welfare Officer

(Syllabus is only indicative. The questions can assess any aspect of knowledge, aptitude, attitude and practical skills, which is expected from a trained person to work efficiently at the advertised post. The number and sequence of questions examining any particular topic / subject may be variable.)

a) Basic Sciences

- (i) Describe the anatomical and biochemical structures so as to explain the physiological functions of human body and factors, which may disturb these, and mechanism of such disturbances.
- (ii) Describe various groups of micro-organisms of clinical importance.
- (iii) Identify and take appropriate measures including disinfection and sterilization for the prevention of diseases in the hospital and community.
- (iv) Collect and handle specimens for various diagnostic tests.
- (v) Enumerate weights and measures and demonstrate skill in calculation of dosage and preparation of solutions.
- (vi) Read and interpret prescriptions and care for drugs according to the regulations.
- (vii) Describe various groups of drugs acting on different systems of the body.
- (viii) Recognize the toxic symptoms related to common drugs and poisons.

b) Nutrition and Dietetics

- (i) Describe various nutrients and their importance in the maintenance of health.
- (ii) Plan diets suitable to socio-economic status for different age groups and physiological conditions.
- (iii) Detect nutritional deficiencies and explain their prevention and management.
- (iv) Plan therapeutic diets for various disease conditions.

c) Psychology, Mental Health and Psychiatric Nursing

- (i) Describe normal and deviations in behavior among various age groups and their cause.
- (ii) Explain the principles of psychology and its application in health and diseases.
- (iii) Interpret behavior of self and others.
- (iv) Recognize deviations from normal behavior and provide guidance and counseling.
- (v) Explain the dynamics of patient's behavior and its application in providing nursing care.
- (vi) Demonstrate skill in communication and maintain interpersonal relations.
- (vii) Describe various therapies utilized in psychiatry and the various roles of nurses in psychiatric nursing.

d) Fundamentals of Nursing

- (i) Describe nursing as a profession, its scope, etiquettes & ethics.
- (ii) Provide first aid treatments.
- (iii) To provide congenial and safe environment to the patient.
- (iv) Carry out basic nursing procedures for the care of the patients with an understanding of the scientific principles involved.
- (v) Make accurate observations and records.
- (vi) Administer prescribed medications and carry out treatments.
- (vii) Maintain records of patients and nursing care.

e) Community Health Nursing and Family Welfare Programs

- (i) Describe personal, environmental, social and cultural factors contributing to health of individual, family and community.
- (ii) Explain methods of control of spread of diseases.
- (iii) Identify the needs for health education and impart and evaluate the effect of the same to patients, families and community.
- (iv) Prepare and use appropriate audio-visual aids for imparting health education.
- (v) Recognize symptoms of social disorganization and social pathology.
- (vi) To demonstrate skills in medico-social work.
- (vii) Explain the principles of health care to mothers and children and the services available for them in urban and rural communities.
- (viii) Identify deviations from normal amongst mother and children and take necessary action in clinics, health centres and homes.
- (ix) Educate the community about need and methods of family planning.
- (x) Demonstrate skill in community diagnosis and in delivery of community nursing services in accordance with the national health care system.

f) Medical and Surgical Nursing

- (i) Explain the causes, patho-physiology, symptoms, treatment and prophylactic measures in common medical and surgical conditions affecting various systems of the body.
- (ii) Provide patient centered nursing care to patients with common medical and surgical conditions affecting various systems of the body.
- (iii) Prepare operation theatre for surgery and assist in operative procedures.
- (iv) Identify common equipment used in operation theatre.
- (v) Explain the anesthesia used, with their effects and dangers, and care for an anesthetized patient until such time as he recovers from the effect of anesthesia.
- (vi) Recognize and provide first aid in case of common emergencies using the resuscitation equipment including intubation.
- (vii) Care for critically ill patients who required support for maintaining vital functions.
- (viii) Provide first aid in case of disaster, emergency and accidents and demonstrate skill in transporting the casualties.
- (ix) Organize casualty/emergency services.

g) Pediatric Nursing

- (i) Describe growth and development, nutritional and psychological needs of children at different age group.
- (ii) Explain basic principles involved in pediatric nursing.
- (iii) Provide nursing management to neonates and children with medical and surgical disorders.
- (iv) Recognize emergencies in neonates and children and take appropriate first aid measures.
- (v) Manage normal newborn and low birth weight baby.
- (vi) Describe various aspects of preventive pediatric nursing and be able to practice them while rendering nursing care in a hospital or community.

h) Obstetrical Nursing

- (i) Explain anatomy and physiology of pregnancy, child-birth and puerperium.
- (ii) Provide antenatal care to mothers.
- (iii) Conduct normal delivery independently in a hospital and community and recognize abnormalities and make timely referral to doctor.
- (iv) Perform episiotomy and suture a first and second -degree tear.
- (v) Guide and supervise multipurpose workers to carry on domiciliary services to mothers and children.
- (vi) Describe the management of common obstetrical emergencies needing immediate treatment.
- (vii) Provide family welfare advice.

i) Principles of Administration and Supervision, Education and Trends in Nursing

- (i) Explain the principles of administration and its application to health administration at different levels.
- (ii) Describe the organizational pattern for nursing components of hospital and public health service.
- (iii) Maintain effective human relations to improve efficiency of the staff.
- (iv) Describe the principles of supervision and develop skill in supervisory techniques.
- (v) Explain the trends in nursing and nursing education in India and abroad.
- (vi) Appreciate the emergence of nursing as a profession and the rights, responsibilities and adjustment in professional life.
- (vii) Use different methods of teaching applicable to nursing.

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