# Contents

**Unit 1: Fundamental of Nursing** **1–77**

- Ethics in nursing *1*
- ICN code of ethics *1*
- Rights of registered nurses *6*
- Principles of patients' rights and responsibilities *8*
- Vital signs *9*
- Oral administration *13*
- Sublingual administration *14*
- Buccal administration *14*
- Topical administration *14*
- Rectal administration *16*
- Parenteral administration *16*
- General principles of parenteral administration *21*
- Blood transfusion therapy *21*
- Immune response *26*
- Nosocomial infection *27*
- Hot and cold applications *28*
- Basic first aid *29*
- Communication *34*
- Aseptic and antiseptic techniques *34*
- Ward and OPD *35*
- Suture materials and suturing *36*
- Anesthesia *37*

**Unit 2: Medical and Surgical Nursing Content** **78–223**

- The cell, tissue and its membrane *78*
- Anatomy physiology *82*
- Circulatory system *83*
- Major disorders of cardiovascular system *90*
- Inflammatory disease of heart *94*
- Rheumatic fever and heart disease *96*
- Syncope *99*
- Valvular heart disease *99*
- Cardiomyopathy *101*
- Varicose veins *104*
- Dysrhythmias *104*
- Radiofrequency catheter ablation therapy *111*
- The ECG *112*
- Lymphatic system *113*

- Musculoskeletal system *118*
- Structure of skeletal system *118*
- The muscular system *123*
- Diseases and disorders *123*
- Nervous system *130*
- The brain *131*
- Peripheral nervous system *133*
- Diseases and disorders of nervous system *137*
- The endocrine system *143*
- Major disorders of endocrine system *147*
- Signs, symptoms, and treatments of hypoglycemia and hyperglycemia *151*
- The respiratory system *154*
- Diseases of respiratory system *159*
- Chronic obstructive pulmonary disease *162*
- The digestive system *165*
- Urinary system *177*
- Fluid and electrolyte balance *188*
- Disturbances in fluid volume, electrolyte, and acid-base balances *197*
- Reproductive system *201*
- Major disorders and procedures of reproductive system *204*
- Integumentary system *211*

**Unit 3: Maternal and Child Health Nursing** **224–280**

- Terminology used in midwifery *224*
- Fetal growth and development *226*
- Fetal circulation *228*
- Minor discomforts of pregnancy *233*
- Nutrition during pregnancy *235*
- Normal labor *238*
- First stage of labor *239*
- Second stage of labor *241*
- Third stage of labor *242*
- Fourth stage of labor *243*
- Process of labor *244*
- Normal puerperium *244*
- Complications during prenatal and postnatal period *245*
- Newborn *248*
- Common newborn problems *249*
- Growth and development *250*

**Unit 4: Community Health Nursing** **281–357**

- Community *281*
- Community health nursing *281*
- Health sector in Nepal *283*
- Health care delivery system *284*
- Primary health care *287*
- Home visiting *289*

- Nursing process in the community *289*
- Maternal and child health services *289*
- Gender and reproductive health *290*
- Common indicators of MCH services *291*
- Reproductive health *291*
- Reproductive health indicators for global monitoring *292*
- Family planning *295*
- Immunization system *298*
- Nutrition *302*
- Epidemiology *314*
- Sources of data and methods of data collection *319*
- Levels of disease occurrence *320*
- Health education *321*
- Oral-fecal route transmitted diseases *322*
- Air-borne diseases *326*
- Arthropod or intermediate vector-borne diseases *330*
- Flea-borne diseases *331*
- Louse-borne diseases *332*
- Sexually transmitted diseases *332*
- Zoonotic diseases *335*
- Animal bite diseases *335*
- Direct contact diseases *336*

**Unit 5: Leadership and Management in Nursing** **358–400**

- Management *358*
- Leader versus manager *359*
- Management process *360*
- Philosophy of nursing service management *360*
- Functions of management *364*
- Tools for management(7 Ms) *371*
- Evaluation *372*
- Group dynamic *373*
- Organizational conflict *374*
- Quality of health care *376*
- Quality assurance *376*
- Disaster *377*
- Primary health care center (PHCC) *389*
- Introduction of national plan *390*

**Unit 6: Psychiatric Nursing** **401–423**

- Mental health *401*
- Mental illness *401*
- General nursing techniques used in psychiatric nursing *405*
- General classification of mental illness and specific mental illnesses *406*
- Affective disorders (mood disorders) *409*

- Schizophrenia *410*
- Mental retardation *411*
- Epilepsy *412*
- Organic mental syndromes and disorders (cognitive function disorders) *413*
- Alcohol and other substance abuse *413*
- Defense mechanisms *414*
- Personality disorder (character disorder) *415*
- Psychotherapy *416*

**Unit 7: Nursing Concepts and Theories** **424–452**
- Models of health and illness *424*
- Holistic health *426*
- Nursing theories *429*
- Theoretical foundations of nursing *429*
- Homeostasis *440*
- Stress *441*
- Responses *443*
- Crisis *446*
- Crisis management *448*
- Pain *450*

**Unit 8: Research in Nursing** **453–478**
- Research *453*
- Nursing research *453*
- Terminology *454*
- Reliability and validity *456*
- Research proposal *457*
- The research problem *457*
- Literature review *458*
- Research methodology *458*
- Research design *464*
- Data collection *464*
- Research proposal and report *469*

**Unit 9: Health Economics in Nursing** **479–486**
- Health economics in health care *479*
- Why is this economic perspective useful in the context of health care? *479*
- National income sources, determinate and use of national income data *482*

**Unit 10: Pharmacology** **487–508**
- Drugs and their antidotes *487*
- Antidotes and other substances used in poisonings *491*

*Bibliography* *509*
*Index* *513*