

National Board of Examinations



NEET PG Exam Pattern

NEET PG shall be a multiple choice questions exam delivered on the computer-based platform (CBT). The exam comprises 200 Multiple Choices, single correct response questions in the English language only. The time allotted is 3hr 30 min. There shall be a 25% negative marking for incorrect answers. No marks will be deducted for unattempted questions.

- Correct Response: 4 marks
- Incorrect Response: 1 mark shall be deducted
- Unattempted Question: Zero marks

Pre Clinical Subjects

- Anatomy
- Biochemistry
- Physiology

Para-Clinical Subjects

- Forensic Medicine
- Pharmacology
- Social and Preventive Medicine
- Microbiology
- Pathology

Clinical Subjects

- Surgery, Orthopaedics, and Anaesthesia,
- Medicine Dermatology and Venereology
- Pediatrics
- Ophthalmology
- ENT
- Radiodiagnosis
- Obstetrics and Gynaecology

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NEET PG Syllabus - Topics

Pre-Clinical Subjects

Anatomy

- Anatomical terminology
- General features of bones & Joints
- General features of Muscle
- General features of skin and fascia
- General features of the cardiovascular system
- General Features of lymphatic system
- Introduction to the nervous system
- Features of individual bones (Upper Limb)
- Pectoral region
- Axilla, Shoulder and Scapular region
- Arm & Cubital fossa
- Forearm & hand (General Features, Joints, radiographs & surface marking)
- Features of individual bones (Lower Limb)
- Front & Medial side of the thigh
- Gluteal region & back of the thigh
- Hip Joint
- Knee joint, Anterolateral compartment of leg & dorsum of the foot
- Back of Leg & Sole (General Features, Joints, radiographs & surface marking)
- Thoracic cage
- Heart & Pericardium
- Mediastinum
- Lungs & Trachea
- Thorax
- Skull osteology
- Scalp
- Face & parotid region
- Posterior triangle of neck
- Cranial cavity
- Orbit
- Anterior Triangle
- Temporal and Infratemporal regions
- Submandibular region

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- Deep structures in the neck
- Mouth, Pharynx & Palate
- Cavity of Nose
- Larynx
- Tongue
- Organs of hearing and equilibrium
- Eyeball
- Back Region
- Head & neck Joints, Histology, Development, Radiography & Surface marking
- Anterior abdominal wall
- Posterior abdominal wall
- Male external genitalia
- Abdominal cavity
- Pelvic wall and viscera
- Perineum
- Vertebral column
- Sectional Anatomy
- Histology & Embryology
- Osteology
- Radiodiagnosis
- Surface marking
- Meninges & CSF
- Spinal Cord
- Medulla Oblongata
- Pons
- Cerebellum
- Midbrain
- Cranial nerve nuclei & Cerebral hemispheres
- Ventricular System
- Epithelium histology
- Connective tissue histology
- Muscle histology
- Nervous tissue histology
- Blood Vessels
- Glands & Lymphoid tissue
- Bone & Cartilage
- Integumentary System
- Chromosomes

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- Patterns of Inheritance
- Principle of Genetics, Chromosomal Aberrations & Clinical Genetics
- Introduction to embryology
- Gametogenesis and fertilization
- Second week of development
- 3rd to 8th week of development
- Fetal membranes
- Prenatal Diagnosis
- Ethics in Anatomy

Biochemistry

- Basic Biochemistry
- Enzyme
- Chemistry and Metabolism of Carbohydrates
- Chemistry and Metabolism of Lipids
- Chemistry and Metabolism of Proteins
- Metabolism and homeostasis
- Molecular biology
- Nutrition
- Extracellular Matrix
- Oncogenesis and immunity
- Biochemical Laboratory Tests

Physiology

- General Physiology
- Haematology
- Nerve and Muscle Physiology
- Gastro-intestinal Physiology
- Cardiovascular Physiology (CVS)
- Respiratory Physiology
- Renal Physiology
- Endocrine Physiology
- Reproductive Physiology
- Neurophysiology
- Integrated Physiology

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Para-Clinical Subjects

Pathology

- Introduction to Pathology
- Cell Injury and Adaptation
- Amyloidosis
- Inflammation
- Healing and repair
- Hemodynamic disorders
- Neoplastic disorders
- Basic diagnostic cytology
- Immunopathology and AIDS
- Infections and Infestations
- Genetic and paediatric diseases
- Environmental and nutritional diseases
- Introduction to haematology
- Microcytic anemia
- Macrocytic anemia
- Hemolytic anemia
- Aplastic anemia
- Leukocyte disorders
- Lymph node and spleen
- Plasma cell disorders
- Hemorrhagic disorders
- Blood banking and transfusion
- Clinical Pathology (Tumors)
- Gastrointestinal tract
- Hepatobiliary system
- Respiratory system
- Cardiovascular system
- Urinary Tract
- Male Genital Tract
- Female Genital Tract
- Breast
- Endocrine system
- Bone and soft tissue
- Skin

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- Central Nervous System
- Eye

Pharmacology

- Basic principles of Pharmacology
- Clinical Pharmacy
- Clinical Pharmacology
- Experimental Pharmacology
- Communication

Microbiology

- General Microbiology and Immunity
- CVS and Blood
- Gastrointestinal and hepatobiliary system
- Musculoskeletal system skin and soft tissue infections
- Central Nervous System infections
- Respiratory tract infections
- Genitourinary & Sexually transmitted infections
- Zoonotic diseases and miscellaneous

Forensic Medicine

- General Information
- Forensic Pathology
- Clinical Forensic Medicine
- Medical Jurisprudence (Medical Law and ethics)
- Forensic Psychiatry
- Forensic Laboratory investigation in medical legal practice
- Emerging technologies in Forensic Medicine
- General Toxicology
- Chemical Toxicology
- Pharmaceutical Toxicology
- Biotoxicology
- Sociomedical Toxicology
- Environmental Toxicology
- Skills in Forensic Medicine & Toxicology

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Preventive and Social Medicine

- Concept of Health and Disease
- Relationship of social and behavioural to health and disease
- Environmental Health Problems
- Principles of health promotion and education
- Nutrition
- Basic statistics and its applications
- Epidemiology
- Epidemiology of communicable and non- communicable diseases
- Demography and vital statistics
- Reproductive maternal and child health
- Occupational Health
- Geriatric services
- Disaster Management
- Hospital waste management
- Mental Health
- Health planning and management
- Health care of the community
- International Health
- Essential Medicine
- Recent advances in Community Medicine

Clinical Subjects

Orthopaedics

- Skeletal Trauma, Poly trauma
- Fractures
- Musculoskeletal Infection
- Skeletal Tuberculosis
- Rheumatoid Arthritis and associated inflammatory disorders
- Degenerative disorders
- Metabolic bone disorders
- Poliomyelitis
- Cerebral Palsy
- Bone Tumors
- Peripheral nerve injuries

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- Congenital lesions
- Procedural Skills
- Counselling Skills

ENT

- Anatomy and Physiology of ear, nose, throat, head & neck
- Clinical Skills
- Diagnostic and Therapeutic procedures in ENT
- Management of diseases of ear, nose & throat

Medicine

- Heart Failure
- Acute Myocardial Infarction/ IHD
- Pneumonia
- Fever and febrile syndromes
- Liver disease
- HIV
- Rheumatologic problems
- Hypertension
- Anemia
- Acute Kidney Injury and Chronic renal failure
- Diabetes Mellitus
- Thyroid dysfunction
- Common malignancies
- Obesity
- GI bleeding
- Diarrheal disorder
- Headache
- Cerebrovascular accident
- Movement disorders
- Envenomation
- Poisoning
- Mineral, Fluid Electrolyte and Acid base Disorder
- Nutritional and Vitamin Deficiencies
- Geriatrics
- Miscellaneous Infections (e.g. Leptospirosis, Rabies, Tetanus)

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- The role of the physician in the community

Surgery

- Metabolic response to injury
- Shock
- Blood and blood components
- Burns
- Wound healing and wound care
- Surgical infections
- Surgical Audit and Research
- Ethics
- Investigation of surgical patient
- Pre, intra and post-operative management
- Anaesthesia and pain management
- Nutrition and fluid therapy
- Transplantation
- Basic Surgical Skills
- Biohazard disposal
- Minimally invasive General Surgery
- Trauma
- Skin and subcutaneous tissue
- Developmental anomalies of face, mouth and jaws
- Oropharyngeal cancer
- Disorders of salivary glands
- Endocrine General Surgery:
 - Thyroid and parathyroid
 - Adrenal glands
 - Pancreas
 - Breast
- Cardio-thoracic General Surgery- Chest - Heart and Lungs
- Vascular disease
- Abdomen
- Urinary System
- Penis, Testis and scrotum

Ophthalmology

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- Visual Acuity Assessment
- Lids and Adnexa, Orbit
- Conjunctiva
- Corneas
- Sclera
- Iris and Anterior chamber
- Lens
- Retina & optic Nerve

Obstetrics & Gynaecology

- Demographic and Vital Statistics
- Anatomy of the female reproductive tract (Basic anatomy and embryology)
- Physiology of conception
- Development of the fetus and the placenta
- Preconception counselling
- Diagnosis of pregnancy
- Maternal Changes in pregnancy
- Antenatal Care
- Complications in early pregnancy
- Antepartum haemorrhage
- Multiple pregnancies
- Medical Disorders in pregnancy
- Labour
- Abnormal Lie and Presentation; Maternal Pelvis
- Operative obstetrics
- Complications of the third stage
- Lactation
- Care of the newborn
- Normal and abnormal puerperium
- Medical termination of pregnancy
- Contraception
- Vaginal discharge
- Normal and abnormal puberty
- Abnormal uterine bleeding
- Amenorrhea
- Genital injuries and fistulae
- Genital infections

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- PCOS and hirsutism
- Uterine prolapse
- Menopause
- Benign, Pre-malignant (CIN) and Malignant Lesions of the Cervix
- Infertility
- Uterine fibroids
- Benign and malignant diseases of the uterus and the ovaries

Paediatrics

- Normal Growth and Development
- Common problems related to Growth
- To promote and support optimal Breastfeeding for Infants
- Complementary Feeding
- Common problems related to Development -1 (Developmental delay, Cerebral palsy)
- Common problems related to Development-2 (Scholastic backwardness, Learning Disabilities, Autism, ADHD)
- Common problems related to behavior
- Adolescent Health & common problems related to Adolescent Health
- Normal nutrition, assessment, and monitoring
- Provide nutritional support, assessment, and monitoring for common nutritional problems
- Obesity in children
- Micronutrients in Health and disease-1 (Vitamins ADEK, B Complex, and C)
- Micronutrients in Health and disease -2: Iron, Iodine, Calcium, Magnesium
- Toxic elements and free radicals and oxygen toxicity
- Fluid and electrolyte balance
- Integrated Management of Neonatal and Childhood Illnesses (IMNCI) Guideline
- The National Health programs: NHM
- The National Health Programs: RCH
- National Programs, RCH - Universal Immunizations program
- Care of the Normal New born, and High risk New born
- Genito-Urinary system
- Approach to and recognition of a child with possible Rheumatologic problem
- Cardiovascular system- Heart Diseases
- Diarrhoeal diseases and Dehydration
- Malabsorption
- Acute and chronic liver disorders
- Pediatric Emergencies – Common Pediatric Emergencies

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- Respiratory system
- Anemia and other Hemato-oncologic disorders in children
- Systemic Pediatrics-Central Nervous system
- Allergic Rhinitis, Atopic Dermatitis, Bronchial Asthma, Urticaria Angioedema
- Chromosomal Abnormalities
- Endocrinology
- Vaccine-preventable Diseases - Tuberculosis

Radiology

- Radiological investigations and Radiation safety

Psychiatry

- Doctor patient relationship
- Mental health
- Introduction to psychiatry
- Psychotic disorders (e.g. alcohol and substance abuse disorders, schizophrenia)
- Depression
- Bipolar disorders
- Anxiety disorders
- Stress related disorders
- Somatoform disorders
- Personality disorders
- Psychosomatic disorders
- Psychosexual and gender identity disorders
- Psychiatric disorders in childhood and adolescence
- Mental retardation
- Psychiatric disorders in the elderly
- Psychiatric emergencies
- Therapeutics

Dermatology

- Acne
- Vitiligo
- Papulosquamous disorders
- Lichen Planus
- Scabies

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- Pediculosis
- Fungal Infections
- Viral infections
- Leprosy
- Sexually Transmitted Diseases
- HIV
- Dermatitis and Eczema
- Vesicubullous Lesions
- Urticaria Angioedema
- Pyoderma
- Collagen Vascular disease
- Nutritional Deficiencies and Skin
- Systemic diseases and skin

Anaesthesia

- Anaesthesiology as a specialty
- Cardiopulmonary resuscitation
- Preoperative evaluation and medication
- General Anaesthesia
- Regional anaesthesia
- Intensive Care Management
- Pain and its management
- Fluids
- Patient safety
- Post-anaesthesia recovery

Radiotherapy

- Principles of Radiation Oncology (Radiotherapy)
- Radiation Protection
- Radiobiology & Chemoradiation
- Radiation Treatment Delivery & outcome
- Cancer Prevention & Registries