

SYLLABUS FOR Ph.D. ENTRANCE EXAMINATION (PSYCHIATRY)

The Patient – Doctor Relationship:

Human Development throughout the Lifecycle

Normality, Embryo, Fetus, Infant, and Child, Adolescence, Adulthood, Late Adulthood (Old Age), Death, Dying, and Bereavement.

The Brain and Behavior

Functional and Behavioral Neuroanatomy, Neurophysiology and Neurochemistry, Neuroimaging, Electrophysiology, Psychoneuroendocrinology, Psychoneuroimmunology, and Chronobiology, Neurogenetics.

Contributions of the Psychosocial Sciences

Jean Piaget, Attachment Theory, Learning Theory, Aggression, Sociology and Ethology, Anthology and Cross-Cultural Psychiatry, Epidemiology and Biostatistics.

Clinical Neuropsychological Testing

Clinical Neuropsychological Testing of Intelligence and Personality. Clinical Neuropsychological Assessment of Adults.

Theories of Personality and Psychopathology

Sigmund Freud: Founder of Classic Psychoanalysis., Erik Erikson, and Schools derived from Psychoanalysis and Psychology.

Clinical Examination of the Psychiatric patient

Psychiatric History and Mental Status Examination, Interviewing Techniques with Special Patient Populations, Physical Examination of the Psychiatric Patient., Laboratory tests in Psychiatry. Medical Record and Medical Error. Signs and Symptoms in Psychiatry

Classification in Psychiatry

Psychiatric Classification, International Psychiatric Diagnosis

Delirium, Dementia, and Amnestic and Other Cognitive Disorders and Mental Disorders Due to a General Medical Condition Cognitive Disorders Introduction and Overview , Delirium , Dementia , Amnestic Disorders Other Cognitive Disorders and Mental Disorders Due to a General Medical Condition

Substance-Related Disorders

Substance-Related Disorders Introduction and Overview, Alcohol- Related Disorders, Amphetamine (or Amphetamine-like)related Disorders, Caffeine-Related Disorders, Cannabis-Related Disorders, Cocaine-Related Disorders, Hallucinogen-Related Disorders, Inhalant- Related Disorders, Nicotine-Related Disorders, Opioid-Related Disorders, Phencyclidine (or Phencyclidine-like)related Disorders, Sedative-, Hypnotic-, or Anxiolytic-Related Disorders , Anabolic- Androgenic steroid abuse.

Schizophrenia and Other Psychotic Disorders

Concept of Schizophrenia , Schizophrenia Scope of the Problem , Schizophrenia Genetics , Schizophrenia Environmental Epidemiology Developmental Model of Schizophrenia Neuroimaging in Schizophrenia Linking Neuropsychiatric Manifestations to Neurobiology Schizophrenia Neuropathology Schizophrenia Clinical Features and Psychopathology Concepts Schizophrenia Cognition Schizophrenia Sensory Gating Deficits and Translational Research Schizophrenia Psychosocial Treatment

Schizophrenia Somatic Treatment Psychiatric Rehabilitation Schizophrenia Integrative Treatment and Functional Outcomes , Schizophrenia Spectrum Pathology and Treatment , Other Psychotic Disorders , Acute and Transient Psychotic Disorders and Brief Psychotic Disorder , Schizophreniform Disorder , Delusional Disorder and Shared Psychotic Disorder , Schizoaffective Disorder , Postpartum Psychosis , Culture-Bound Syndromes with Psychotic Features , Psychosis Not Otherwise Specified , Treatment of Other Psychotic Disorders, Schizophrenia and Other Psychotic Disorders Special Issues in Early Detection and Intervention

Mood Disorders

Mood Disorders Historical Introduction and Conceptual Overview, Mood Disorders Epidemiology, Mood Disorders Genetics, Mood Disorders Neurobiology, Mood Disorders Intrapsychic and Interpersonal Aspects, Mood Disorders Clinical Features Mood Disorders Treatment of Depression, Mood Disorders Treatment of Bipolar Disorders, Mood Disorders Psychotherapy.

Anxiety Disorders

Anxiety Disorders Introduction and Overview, Anxiety Disorders Epidemiology, Anxiety Disorders Psychophysiological Aspects, Anxiety Disorders Neurochemical Aspects, Anxiety Disorders Neuroimaging, Anxiety Disorders Psychodynamic Aspects, Anxiety Disorders Clinical Features, Anxiety Disorders Somatic Treatment, Anxiety Disorders Cognitive-Behavioral Therapy

Somatoform Disorders, Factitious Disorders and Dissociative Disorders

Normal Human Sexuality and Sexual and Gender Identity Disorders

Normal Human Sexuality and Sexual Dysfunctions, Homosexuality, Gay and Lesbian Identities, and Homosexual Behavior, Paraphilias, Gender Identity Disorders, Sexual Addiction

Eating Disorders, Sleep Disorders, Impulse-Control Disorders Not Elsewhere Classified Adjustment Disorders, Personality Disorders and Psychological Factors Affecting Medical Conditions

History of Psychosomatic Medicine, Gastrointestinal Disorders, Obesity, Cardiovascular Disorders, Respiratory Disorders, Endocrine and Metabolic Disorders, Psychocutaneous Disorders, Musculoskeletal Disorders, Stress and Psychiatry, Psycho-Oncology, Consultation- Liaison Psychiatry.

Relational Problems

Additional Conditions That May Be a Focus of Clinical Attention Malingering, Adult Antisocial Behavior, Criminality, and Violence, Borderline Intellectual Functioning and Academic Problem, Other Additional Conditions That May Be a Focus of Clinical Attention

Culture-Bound Syndromes

Special Areas of Interest

Psychiatry and Reproductive Medicine , Premenstrual Dysphoric Disorder , Genetic Counseling , End-of-Life and Palliative Care , Death, Dying, and Bereavement , Physical and Sexual Abuse of Adults , Survivors of Torture , Alternative and Complementary Health Practices , Military and Disaster Psychiatry , Famous Named Cases in Psychiatry.

Psychiatric Emergencies

Suicide, Other Psychiatric Emergencies

Psychotherapies

Psychoanalysis and Psychoanalytic Psychotherapy, Behavior Therapy, Hypnosis, Group Psychotherapy and Combined Individual and Group Psychotherapy, Family Therapy and Couple Therapy, Cognitive Therapy, Interpersonal Psychotherapy, Dialectical Behavior Therapy, Intensive Short-Term Dynamic Psychotherapy, Other Methods of Psychotherapy, Evaluation of Psychotherapy, Combined Psychotherapy and Pharmacology

Biological Therapies

General Principles of Psychopharmacology, Pharmacokinetics and Drug Interactions, Drug Development and Approval Process in the United States, Medication-Induced Movement Disorders, α_2 -Adrenergic Receptor Agonists Clonidine and Guanfacine, β -Adrenergic Receptor Antagonists, Anticholinergics and Amantadine, Anticonvulsants, Antihistamines, Barbiturates and Similarly Acting Substances, Benzodiazepine Receptor Agonists and Antagonists, Bupropion, Buspirone, Calcium Channel Inhibitors, Cholinesterase Inhibitors and Similarly Acting Compounds, Dopamine Receptor Antagonists (Typical Antipsychotics), Lithium, Mirtazapine, Monoamine Oxidase Inhibitors, Nefazodone, Opioid Receptor Agonists Methadone, Levomethadyl, and Buprenorphine, Opioid Receptor Antagonists Naltrexone and Nalmefene, Selective Serotonin Norepinephrine Reuptake Inhibitors, Selective Serotonin Reuptake Inhibitors, Serotonin-Dopamine Antagonists (Atypical or Second-Generation Antipsychotics), Sympathomimetics and Dopamine Receptor Agonists, Thyroid Hormones, Trazodone, Tricyclics and Tetracyclics, Electroconvulsive Therapy, Neurosurgical Treatments and Deep Brain Stimulation, Other Pharmacological and Biological Therapies, Drug Augmentation, Reproductive Hormonal Therapy Theory and Practice.

Child Psychiatry

Introduction and Overview, Normal Child Development, Normal Adolescence

Psychiatric Examination of the Infant, Child, and Adolescent

Mental Retardation

Learning Disorders

Reading Disorder, Mathematics Disorder, Disorder of Written Expression and Learning Disorder Not Otherwise Specified, Motor Skills Disorder, Developmental Coordination Disorder.

Communication Disorders

Expressive Language Disorder, Mixed Receptive-Expressive Disorder, Phonological Disorder, Stuttering, Communication Disorder Not Otherwise Specified

Pervasive Developmental Disorders

Attention-Deficit Disorders

Attention-Deficit/Hyperactivity Disorder, Adult Manifestations of Attention-Deficit/Hyperactivity Disorder

Disruptive Behavior Disorders

Feeding and Eating Disorders of Infancy and Early Childhood

Tic Disorders

Elimination Disorders

Other Disorders of Infancy, Childhood, and Adolescence

Reactive Attachment Disorder of Infancy and Early Childhood, Stereotypic Movement Disorder of Infancy, Disorders of Infancy and Early Childhood Not Otherwise Specified

Mood Disorders in Children and Adolescents

Depressive Disorders and Suicide in Children and Adolescents, Early-Onset Bipolar Disorders

Anxiety Disorders in Children

Obsessive-Compulsive Disorder in Children, Posttraumatic Stress Disorder in Children and Adolescents, Separation Anxiety Disorder and Other Anxiety Disorders, Selective Mutism

Early-Onset Schizophrenia

Child Psychiatry Psychiatric Treatment

Individual Psychodynamic Psychotherapy, Short-Term Psychotherapies for the Treatment of Child and Adolescent Disorders, Cognitive-Behavioral Psychotherapy for Children and Adolescents, Group Psychotherapy, Family Therapy, Pediatric Psychopharmacology, Partial Hospital and Ambulatory Behavioral Health Services, Residential and Inpatient Treatment, Community-Based Treatment, Psychiatric Treatment of Adolescents.

Child Psychiatry Special Areas of Interest

Psychiatric Aspects of Day Care, Adoption and Foster Care, Child Maltreatment, Children's Reaction to Illness and Hospitalization, Psychiatric Sequelae of HIV and AIDS, Child or Adolescent Antisocial Behavior, Dissociative Disorders in Children and Adolescents, Identity Problem and Borderline Disorders in Children and Adolescents, Adolescent Substance Abuse, Forensic Child and Adolescent Psychiatry Ethical Issues in Child and Adolescent Psychiatry, School Consultation, Prevention of Psychiatric Disorders in Children and Adolescents Neuroimaging in Child and Adolescent Psychiatry, Child Mental Health Services Research, Impact of Terrorism on Children.

Geriatric Psychiatry

Overview, Assessment, Psychiatric Disorders of Late Life, Treatment of Psychiatric Disorders, Health Care Delivery Systems, Special Areas of Interest Hospital and Community Psychiatry Public and Community Psychiatry, Health Care Reform, Role of the Psychiatric Hospital in the Treatment of Mental Illness, Psychiatric Rehabilitation.

Psychiatric Education

Graduate Psychiatric Education, Examining Psychiatrists and Other Professionals, an Anthropological View of Psychiatry

Ethics and Forensic Psychiatry

Clinical-Legal Issues in Psychiatry, Ethics in Psychiatry, Correctional Psychiatry Evolution of the **National mental Health Act Psychiatry Past and Future History of Psychiatry, World Aspects of Psychiatry, Future of Psychiatry.**