

# **RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**

## **SYLLABUS OF COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT PROFESSOR (Broad Speciality) PSYCHIATRY MEDICAL EDUCATION DEPARTMENT**

### **UNIT-I**

#### **Human Development throughout the Lifecycle**

Death, Dying, and Bereavement. Concept of normality, Mind- the evolving concepts.

#### **The Brain and Behavior**

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

#### **Contributions of the Psychosocial Sciences**

Jean Piaget, Attachment Theory, Learning Theory, Aggression, Sociology and Ethology, Anthropology and Cross-Cultural Psychiatry, Memory, Epidemiology, Biostatistics and Research Methodology.

#### **Clinical Neuropsychological Testing.**

#### **Theories of Personality and Psychopathology**

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

### **UNIT-II**

#### **Clinical Examination of the Psychiatric patient.**

#### **Signs and Symptoms in Psychiatry.**

#### **Classification in Psychiatry**

Psychiatric Classification, DSM-V & ICD-10, ICD-11 (Draft).

### **UNIT-III**

#### **Delirium, Dementia, Amnestic and Other Cognitive Disorders.**

#### **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 General Medical Condition.

#### **Substance-Related Disorders**

Substance-Related Disorders: Introduction and Overview.

### **UNIT-IV**

#### **Schizophrenia and Other Psychotic Disorders**

Concept of Schizophrenia, Scope of the Problem, Genetics, Environmental Epidemiology, Developmental Models of Schizophrenia, Neuroimaging, Linking Neuropsychiatric Manifestations to Neurobiology and Neuropathology of Schizophrenia. Clinical Features and Psychopathology, Psychosocial, Somatic,

Psychiatric Rehabilitation and Integrative Treatment. Functional Outcomes, Schizophrenia Spectrum Pathology and Treatment, Other Psychotic Disorders, Acute and Transient Psychotic Disorders, Brief Psychotic Disorder, Schizophreniform Disorder, Delusional Disorder and Shared Psychotic Disorder, Schizoaffective Disorder, Postpartum Psychosis, Culture-Bound Syndromes with Psychotic Features, Psychosis N.O.S., Treatment of Other Psychotic Disorders. Special Issues in Early Detection and Intervention.

### **UNIT-V**

#### **Mood Disorders**

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

### **UNIT-VI**

**Anxiety Disorders (Including Panic disorder, Agoraphobia, Phobias, OCD, PTSD, Acute stress disorder, GAD etc.)**

**Somatoform Disorders.**

**Factitious Disorders.**

**Dissociative Disorders.**

### **UNIT-VII**

**Normal Human Sexuality and Sexual & Gender Identity Disorders.**

**Eating Disorders.**

**Sleep Disorders.**

**Impulse-Control Disorders.**

**Adjustment Disorders.**

### **UNIT-VIII**

**Personality Disorders.**

**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.

**Additional Conditions that may be a focus of clinical attention**

Malingering, Adult Antisocial Behavior, Criminality, and Violence, Borderline Intellectual Functioning, Academic Problems and Other Additional Conditions that may be a focus of clinical attention.

## **UNIT-IX**

### **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, Relational Problems.

## **UNIT-X**

### **Psychiatric Emergencies**

Suicide, Other Psychiatric Emergencies

## **UNIT-XI**

### **Psychotherapies.**

#### **Biological Therapies**

General Principles of Psychopharmacology, Pharmacokinetics and Drug Interactions, Drug Development and Approval Process. Medication-Induced Movement Disorders, 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.

## **UNIT-XII**

### **Child Psychiatry**

Introduction and Overview, Normal Child Development, Normal Adolescence

#### **Psychiatric Examination of the Infant, Child, and Adolescent.**

#### **Mental Retardation.**

#### **Learning Disorders.**

#### **Pervasive Developmental Disorders.**

#### **Attention-Deficit Disorders.**

#### **Disruptive Behavior Disorders.**

#### **Feeding and Eating Disorders of Infancy and Early Childhood.**

#### **Tic Disorders.**

**Elimination Disorders.**

**Other Disorders of Infancy, Childhood, and Adolescence.**

**Mood Disorders in Children and Adolescents.**

**Anxiety Disorders in Children.**

**Early-Onset Schizophrenia.**

### **UNIT-XIII**

#### **Child Psychiatric Treatment**

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

#### **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 Sequel of HIV and AIDS, Child or Adolescent Antisocial Behavior, Dissociative Disorders, Identity Problem and Borderline Disorders, Adolescent Substance Abuse, Forensic Psychiatry, Ethical Issues, School Consultation, Prevention of Psychiatric Disorders, Neuroimaging, Child Mental Health Services Research, Impact of Terrorism on Children etc.

### **UNIT-XIV**

**Adulthood**

**Geriatric Psychiatry**

### **UNIT-XV**

**Hospital and Community Psychiatry**

**Psychiatric Education**

**Ethics and Forensic Psychiatry**

**Psychiatry Past and Future: Behavioral Addiction and Molecular Psychiatry**

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**Pattern of Question Papers:**

- 1. Objective Type Paper**
- 2. Maximum Marks: 150**
- 3. Number of Questions: 150**
- 4. Duration of Paper: 2.30 Hours**
- 5. All Questions carry equal marks**
- 6. There will be Negative Marking**

**(For every wrong answer one-third of the marks prescribed for that Particular question shall be deducted.)**