

Ph.D. Entrance Test Syllabus for Ph.D. in Education

Department of Education

Bodoland University

Kokrajhar

UNIT- I: Educational Psychology

- a. Concept: Meaning, Nature, Scope, and Function of Psychology, Heredity and Environment, Growth and Development at Different Stages
- b. Theories: Thondike Theory of Learning, Piaget and Bruner's Cognitive Development, Maslow's Theory of Motivation, Erikson, Bandura and Vygotsky's Theories of Social Development, Kohlberg, Piaget's Theories Of Moral Development, Pavlov's Classical And Skinner's Operant Conditioning; Learning By Insight
- c. Factors Affecting Learning: Transfer of Learning, Memory, Forgetting and Imagination, Interest, Intelligence, Aptitude, Attitude, Creativity, Personality,
- d. Adjustment and Mental Health: Process of Adjustment. Conflicts and Defence Mechanism, Mental Hygiene and Mental Health

UNIT- II: Educational Leadership and Management

- a. Introduction to Management: Concept, Characteristics, Functions of Management. Theories of Management- Peter Drucker, Fayol, Taylor.
- b. Resource Management: Human Resource Management, Records and Registers, Financial Management, Material Resource Management
- c. Leadership in Educational Administration: Meaning and Nature of Leadership Theories of Leadership Styles of Leadership Measurements of Leadership, Decision Making
- d. Quality in Education: TQM, Supervision and Inspection, PTA, School Climate, Challenges in Management.

UNIT- III: Teacher Education and Higher education

- a. Basics of Teacher Education: Meaning, Concept, Scope, Historical Development, Elementary, Secondary and Teacher Education at Higher Level, Privatization, Globalization and Autonomy in Teacher Education, Problems in Teacher Education, Use of ICT in Education
- b. Professional Development: Professional Code of Ethics for Teacher Educators, Performance Appraisal, Trends in Research in Teacher Education, Innovative Practices in Teacher Education.

c. Concept of Higher Education: Concept and Purposes and History of Higher Education in India, Agencies and Their Functions in Higher Education: UGC, DST, ICSSR, ICMR, IISER, ICAR, AICTE, NCTE, RCI, NAAC. Issues and Problems in Higher Education

d. Higher Education Management: Types of Universities- Central, State and Private, University Management and Autonomy, Constitutional Provision and Legislation for Universities

UNIT -IV: Educational Technology

a. Concept of Educational Technology (ET) as a Discipline: (Information Technology, Communication Technology & Information and Communication Technology (ICT) and Instructional Technology, Applications of Educational Technology in formal, non formal (Open and Distance Learning), informal and inclusive education systems

b. Systems Approach to Instructional Design, Models of Development of Instructional Design (ADDIE, ASSURE, Dick and Carey Model Mason's), Application of Computers in Education: CAI, CAL, CBT, CML, Concept, Process of preparing ODLM, Concept of e learning, Approaches to e Page 6 of 8 Blended learning (Offline, Online, Synchronous, Asynchronous, learning, mobile learning)

c. Emerging Trends in e learning: Social learning (concept, use of web 2.0 tools for learning, social networking sites, blogs, chats, video conferencing, discussion forum), Open Education Resources (Creative Common, Massive Open Online Courses; Concept and application)

d. Use of ICT in Evaluation, Administration and Research: E portfolios, ICT for Research - Online Repositories and Online Libraries, Online and Offline assessment tools (Online survey tools or test generators) – Concept and Development.

UNIT- V: Inclusive Education

a. Inclusive Education: Concept, Principles, Scope and Target Groups (Diverse learners; Including Marginalized group and Learners with Disabilities; Legal Provisions: Policies and Legislations (National Policy of Education (1986), Programme of Action of Action (1992), Persons with Disabilities Act (1995), National Policy of Disabilities (2006), National Curriculum Framework (2005), Rehabilitation Council of India Act (1992), Inclusive Education under Sarva Shiksha Abhiyan (SSA), Features of UNCRPD (United Nations Convention on the Rights of Persons with Disabilities) and its Implication

b. Concept of Impairment, Disability and Handicap, Classification of Disabilities based on ICF Model, Readiness of School and Models of Inclusion, Prevalence, Types, Characteristics and Educational Needs of Diverse learners' Intellectual, Physical and Multiple Disabilities, Causes and prevention of disabilities,

c. Barriers and Facilitators in Inclusive Education: Attitude, Social and Educational, Current Status and Ethical Issues of inclusive education in India, Research Trends of Inclusive Education in India

UNIT –VI: Methods and Techniques in Teaching

a. Concept of Teaching, Learning and Instruction: Formulation of Objectives: Need and Importance of Formulating Objectives in Teaching – Learning Process - Meaning of Learning and Instruction - Concept & Definition of Teaching, Differentiate between teaching and instruction - Meaning and Importance of Instructional Objectives - Different Approaches to instruction – Inductive Approach, Deductive Approach, Activity Approach, Constructive Approach

b. Teaching Competencies: Teaching effectiveness and Teacher Competencies - Teaching Strategies: Autocracy Style, Permissive Style, Democratic Style - Teaching Skills: Explaining, Questioning, Illustration, Stimulus Variation, Reinforcement, Achieving Closure - Components of Model of Teaching - Basic Models of Teaching- Attainment Model, Bruner's Model, Roger's Nondirective Model

c. Type, Maxims & Teaching Techniques: Teacher Centered Teaching : Lecture, Demonstration, Tutorial, Team Teaching, Learner Centred Teaching - Brain Storming, Group Discussion, Panel Discussion, Project, Symposia, Workshop, Seminar, projects - Maxims of Teaching - Teaching Aids- Meaning, Types, Importance and use in classroom instruction

d. Teaching Techniques: Micro Teaching and Skill Development, Simulation and Skill Development - Lesson Plan: Essential of a Good Lesson Plan, Herbertian Steps
