

III SEMESTER

Unit 1 – Life Span Development

- a) 1.1 Definitions
- b) 1.2 Nature of Development
- c) 1.3 Perspectives (Baltes and Warner Schaie)
- d) 1.4 Theories of Development
 - i) 1.4.1 Freud's Psychoanalytic Theory
 - ii) 1.4.2 Erikson's Psychosocial Theory
 - iii) 1.4.3 Piaget's Cognitive Development Theory
 - iv) 1.4.4 Vygotsky's Socio-cultural Cognitive Theory
- a) 1.5 Time Span Research
 - i) 1.5.1 Cross sectional
 - ii) 1.5.2 Longitudinal
 - iii) 1.5.3 Cohort Effects

Unit 2 – Genetic Foundation

- a) 2.1 Chromosomes, DNA, Genes
- b) 2.2 Alleles
- c) 2.3 Monozygous and Heterozygous
- d) 2.4 Mitosis and Meiosis
- e) 2.5 Fertilization
- f) 2.6 Mutation
- g) 2.7 Dominant Inheritance and
- h) 2.8 Recessive Inheritance
- i) 2.9 Genotype
- j) 2.10 Phenotype
- k) 2.11 Sex Linked Chromosomal Abnormalities
 - i) 2.11.1 XYY
 - ii) 2.11.2 XXX
 - iii) 2.11.3 XXY (Klinefelter Syndrome)
 - iv) 2.11.4 XO (Turner)
 - v) 2.11.5 Fragile X

Unit 3 – Prenatal Development

- a) 3.1 Principles

- i) 3.1.1 Cephalocaudal
 - ii) 3.1.2 Proximodistal
- b) 3.2 Stages
 - i) 3.2.1 Germinal
 - ii) 3.2.2 Embryonic
 - iii) 3.2.3 Foetal
- c) 3.3 Prenatal Diagnostic Tests
 - i) 3.3.1 Amniocentesis
 - ii) 3.3.2 Ultrasound Sonography
 - iii) 3.3.3 Chorionic Villi Sampling
 - iv) 3.3.4 Maternal Blood Sampling
 - v) 3.3.5 Foetal MRI
 - vi) 3.3.6 NIPD – Non-Invasive Prenatal Diagnosis
- d) 3.4 Prenatal Environment
 - i) 3.4.1 Teratogens –
 - 3.4.1(A) Prescription / Non-Prescription Drugs,
 - 3.4.1(B) Alcohol,
 - 3.4.1(C) Nicotine
 - ii) 3.4.2 Drugs –
 - 3.4.2(A) Cocaine,
 - 3.4.2(B) Marijuana,
 - 3.4.2(C) Heroin,
 - 3.4.3(D) Methamphetamine
- e) 3.5 Incompatible Blood Types
- f) 3.6 Maternal Diet and Nutrition
- g) 3.7 Maternal Age and Diseases

Unit 4 – Infancy

- a) 4.1 Physical Development
- b) 4.2 Assessments –
 - 4.2.1 Apgar scale and
 - 4.2.2 Brazelton Scale
- c) 4.3 Language Development –
 - 4.3.1 Prelinguistic Speech,
 - 4.3.2 Early Vocalization,
 - 4.3.3 Linguistic Speech
- d) 4.4 Emotional Development

- i) 4.4.1 4.4.1(A) Crying, 4.4.1(B) Smiling, 4.4.1(C) Laughing, 4.4.1(D) Fear
- ii) 4.4.2 Developing Attachment – Trust Vs Mistrust, Attachment styles
- iii) 4.4.3 4.4.3(A) Stranger Anxiety and 4.4.3(B) Separation Anxiety

Unit 5 – Early Childhood

- a) 5.1 Physical Development – Motor Skills
- b) 5.2 Psychosocial Development
 - i) 5.2.1 Parenting Styles
 - ii) 5.2.2 Play – Functions, Types
- c) 5.3 Types of Preschools

Unit 6 –Middle Childhood

- a) 6.1 Scholastic Learning disabilities
 - 6.1.1 Learning Disabilities
 - i) 6.1.1(A) Dyslexia
 - ii) 6.1.2 (B) Dysgraphia
 - iii) 6.1.1 (C) Dyscalculia
- b) 6.2 ADHD
- c) 6.3 Autism Spectrum Disorder
- d) 6.4 Memory Development
 - i) 6.4.1 Generic Memory
 - ii) 6.4.2 Episodic Memory
 - iii) 6.4.3 Autobiographical Memory
- e) 6.5 Child Abuse and Neglect
- f) 6.6 Effects of Maltreatment
- g) 6.7 Psychosocial Development - Self – esteem, Emotional Growth