

## UG I YEAR PSYCHOLOGY-SEMESTER-2

### DSC-2. COGNITIVE AND BEHAVIOURAL PROCESSES

#### Block-1. Learning

##### Unit-1: Nature and theories of learning

Definition, nature, theories of learning- Pavlov conditioning, Thorndike trial and error, skinner operant conditioning, Kohler Insight learning, Bandura observation learning and Tollman cognitive learning.

##### Unit-2: Applications of learning Principles

Reward, Punishment, positive and negative reinforcement, transfer of learning..

#### Block-2: Memory

##### Unit-3: Nature of memory

Nature of memory, Types of memory ,Process of memory-encoding, storage, retrieval; Information processing model of memory

##### Unit-4: Measurement and Improving memory

Methods of measuring memory-Recognition, recall, relearning, redintegration. Techniques of improving memory-Rehearsal, Relearning, Meaningful learning, Massed vs spaced learning, whole vs part learning, SQ3R method, Mnemonics.

##### Unit-5: Nature and causes of forgetting

Nature of forgetting, causes of forgetting-Time lapse, motivated forgetting, Retrieval problems, Interference, changes in memory trace.

#### Block-3. Thinking and Intelligence

##### Unit-6: Nature of thinking

Definition, nature of thinking, Role of images, concepts and language in thinking

##### Unit-7: Varieties of thinking

Reasoning, problem solving-impediments to problem solving, creative and critical thinking. Piaget theory of cognitive development

##### Unit-8: Intelligence

Definition, theories of Intelligence-spearman two factor theory, Thurston's theory of primary mental abilities, Guilford theory of intelligence, Gardner theory of multiple intelligence. Concept of IQ, distribution of intelligence, Intelligence tests

#### Block-4. Personality

##### Unit-9: Introduction to personality

Nature of personality, concept of individual differences, factors influencing personality

##### Unit-10: Theories of personality – I

Trait theories, type theories, Freud psychoanalytical theory, Skinner theory,

##### Unit – 11: Theories of personality – II

Roger's humanistic theory, Cattle's factor theory and Big-5 Factor theory.

P.T.O



**UG I YEAR PSYCHOLOGY**  
**SEMESTER - 2. PRACTICUM – 2**  
**COURSE – 2: COGNITIVE AND BEHAVIOURAL PROCESSES**

**Part-A: Basic statistics**

**Unit-1: Fundamental concepts in statistics**

Role of statistics in psychology, concept of Normal Distribution, Descriptive and Inferential statistics

**Unit-2: Measures of Central Tendency**

Mean, Median and Mode

**Unit-3: Measures of Variability**

Range, Average deviation, Quartile deviation, and Standard deviation.

**Part-B: Experiments in Cognitive and Behavioural processes**

- 1) Habit Interference
- 2) Transfer of training
- 3) Massed vs spaced learning
- 4) Short term memory
- 5) Pyramid problem
- 6) Alexander pass along
- 7) Raven's Progressive matrices
- 8) Extroversion-Introversion