

Choice Based Credit System 2019 – 2020

COURSE PAPER	TOPIC	TEACHERS NAME
SEM1	CC1	<ol style="list-style-type: none"> 1. Introduction: What is Psychology? Perspectives on behavior; Methods of Psychology; Sub-Fields of Psychology; Psychology in Modern India. 2. Perception: Perceptual Processing’ Role of attention in perception, Perceptual Organization, Perceptual Sets, Perceptual Constancies, Depth Perception, Illusions. 3. Learning and motivation: Principles and applications of Classical Conditioning, Operant Conditioning and Observational Learning; Cognitive influences on learning; Perspectives on Motivation, Types of motivation, Motivational Conflicts. 4. Memory: Models of Memory; Levels of Processing, Parallel distributed Processing, Information processing; Reconstructive nature of memory; Forgetting; Improving Memory. 5. Practicum: a) Memory- i. Determine the effect of spaced learning on the capacity of memorization of your subject in visual modality. (stimulus – visual; reproduction- written). ii. Determine the effect of spaced learning on the capacity of memorization of your subject in auditory modality. (stimulus- auditory; reproduction- oral). b) Perception- To determine the effect of suggestion on the rate of perceptual reversibility of the subject using human profile/ Flower Vase Card.
	CC2	<ol style="list-style-type: none"> 1. a. Introduction: Psychological Research; Relevance of Statistics in Psychological Research; Descriptive and Inferential Statistics; Variables and Constants; Scales of Measurement. b. Frequency Distributions, Percentiles, and Percentile Ranks: Organizing Quantitative Data; Constructing a grouped frequency distribution, a relative frequency distribution and a cumulative frequency distribution; Computation of Percentiles and Percentile Ranks.

1. Aratrika Roy

2. Reshmi Palit

3. Anwista Ganguly

4. Parama Gupta

5. Practicum

a. Udita Boral and Mahua Ray

b. Anwista Ganguly and Reshm Palit

1. a. Mahua Ray
b. Anwista Ganguly
c. Anwista Ganguly

- c. Graphic Representation of Data: Basic Procedures; The histogram; The frequency Polygon; the Bar diagram; The pie Chart; The cumulative Frequency Graph; Factors affecting the shape of graphs(skewness and kurtosis).
2. a. Measures of Central Tendency: The mode; The median; The mean; Calculation of mode, median and mean from raw scores and grouped scores; Properties and comparison of measures of central tendency; Central tendency measures in normal and skewed distributions; Effects of Linear Transformations on measures of central tendency. 2. a. Mahua Ray
b. Reshmi Palit
- b. Measures of Variability: The Range; The semi-interquartile range; The Variants; The standard deviation; Calculation of variants and standard deviation from deviation scores and raw scores; Properties and Comparison of measures of variability; Effects of Linear Transformations on measures of variability.
3. Standard(z) Scores: Standard scores; Properties of z-scores; Transforming raw scores into z-scores, Determining a raw score from a z-score, Some common standard scores, comparison of z-scores and percentile ranks. 3. Bipasha Chatterjee
- The Normal Probability Distribution: Nature and properties of the normal probability distribution; Standard scores and the Normal Curve; The standard Normal Curve; Finding areas when the score is known, Finding scores when the area is known; The normal curve as a model for real variables; The normal curve as a model for sampling distributions; Divergence from normality(skewness and kurtosis)
4. Correlation: The meaning of correlation; Historical Perspective; The scatter plot of bivariate distributions; Correlation- a matter of direction; Correlation- a matter of degree, the coefficient of correlation; Calculating Pearsons's correlation coefficient from deviation scores and raw scores; Spearman's rank-order correlation coefficient; Correlation and causation; The effects of score transformations; Cautions concerning correlation coefficient. 4. Anwista Ganguly

SEM 2

CC3

- Random Sampling and Sampling Distributions: Random Sampling; Using a table of Random Numbers; The Random Sampling Distribution of the Mean: An Introduction; Characteristics of the Random Sampling Distribution of the Mean: using the Sampling Distribution of sample means to determine the probability for different ranges of values: Random Sampling with and without Replacement.
5. Practicum: a) On Graphical representations(Frequency Polygon, Histogram, Pie Chart, Smooth Curve, Ogive)
b) On computation of Central Tendency
c) Variability measures.
5. a. Anwista Ganguly
b. Mahua Ray & Bipasha Chatterjee
c. Reshmi Palit & Udita Boral

CC4

1. Introduction to biopsychology: Nature and scope. Methods and ethics in biopsychology; Divisions of biopsychology
 2. The functioning brain: Structure and functions of neurons; Neural condition and synaptic transmission.
 3. Organization of Nervous System: CNS and PNS: Structure and functions. Functional abnormalities of neurotransmitters: dopamine and serotonin hypothesis.
 4. Neuroendocrine system: Structure, functions and abnormalities of major glands: Thyroid, Adrenal, Gonads, Pituitary.
 5. Practicum: a) On Arousal- Determination of the effect of variation of different levels of attentive task on arousal (Pneumograph). b) On reaction time- Simple, Choice and Discriminative Reaction time Emphasis on Psychological Explanation).
1. Parama Gupta
 2. Mahua Ray
 3. Anwista Ganguly & Bipasha Chatterjee
 4. Reshmi Palit
 5. a. Parama Gupta & Reshmi Palit
b. Udita Boral & Bipasha Chatterjee
1. Personality: Nature of personality; Biopsychosocial foundations of personality; Culture, gender and personality; Perspectives on personality: Psychodynamic (Freud), humanistic (Maslow) and social(Bandura).
1. Udita Boral

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| 2. Intelligence: Concept of intelligence: Psychometric and cognitive approaches to intelligence; Gardner's multiple intelligences; Emotional Intelligence, Heredity, environment and intelligence; Group differences in intelligence; Extremes of intelligence. | 2. Reshmi Palt |
| 3. Indian Approach: Self and Identity from Indian Perspective: Nyaya, Vedanta and Buddhist views of Self, Components of identity: Concept of Triguna from Sankhya perspective. | 3. Parama Gupta |
| 4. Enhancing individual's potential: Self- determination theory; Enhancing cognitive potential, Self-regulation and self enhancement; Fostering creativity. | 4. Anwista Ganguly |
| 5. Practicum: a) Intelligence : i. WASI II: Wechsler Abbreviated Scale of Intelligence, Second Edition, India(WASI-II INDIA) David Wechsler, 2016, Psychological Cooperation; PsychCorp. ii. Terman, L.M. and Merrill, M.A.(1937). Measuring Intelligence. Boston, MA: Houghton Mifflin

b) Personality: Cattell, H.E.P.(2001). The Sixteen Personality Factor(16PF) Questionnaire. In : Dorfman W.i., Hersen M.(eds). Understanding Psychological Assessment. Perspectives on Individual Differences. Springer, Boston MA. | 5.
a. Anwista Ganguly & Mahua Ray
b. Udita Boral & Bipasha Chatterjee |