

Rayat Shikshan Sanstha's
SADGURU GADAGE MAHARAJ MAHAVIDYALAYA, KARAD
Department of Psychology
B.A. Part- I

Scientific Method (S.M.) Course – I
Paper : Scientific Method (S.M.)- I
Code-NSM-01
(Credit 04) Teaching Hourse : 60

Course Outcome :

1. Awareness about superstitions
2. Understanding Primary Information of basics of postulate
3. Understanding of observation and scientific thinking
4. Knowledge of social research

Unit No. 1 Nature of Science

- 1.1 Definition and characteristics of Science
- 1.2 Commonsense and Science
- 1.3 Classification of Sciences
- 1.4 Natural and Social Sciences
- 1.5 Positive and Normative Sciences

Unit No. 2 Postulates Of Science

- 2.1 Nature and Definition of Postulate
- 2.2 Types of postulate
- 2.3 Uniformity of Nature
- 2.4 Principle of Causality
- 2.5 Objectivity

Unit No. 3 Scientific Investigation

- 1.1 Stages of scientific investigation
- 1.2 Nature and Characteristics of Scientific Observation
- 1.3 Fallacies of observation
- 1.4 Merits and demerits of observation and Experiment
- 1.5 Limits of observation and Experiment

Unit No. 4 techniques of Social Research

- 4.1 Nature and Definition of Research
- 4.2 Survey
- 4.3 Questionnaire
- 4.4 Interview

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Scientific Method (S.M.) Course – II
Paper : Scientific Method (S.M.)- II
Code-NSM02
(Credit 04) Teaching Hourse : 60

Course Outcome :

1. Understanding of hypothesis.
2. Understanding of information, laws and scientific explanation
3. Awareness about population control
4. Understanding of communication and information technology

Unit No. 1 : Hypothesis

- 1.1 Definition and nature of Hypothesis
- 1.2 Importance of Hypothesis
- 1.3 Conditions of valid Hypothesis
- 1.4 Verification and proof of Hypothesis

Unit No. 2 Laws and scientific explanation

- 2.1 meaning of Law
- 2.2 Kinds of Laws
- 2.3 kinds of Laws of Nature
- 2.4 Scientific Explanation : Definition, Nature and Kinds

Unit No. 3 Scientific attitude

- 3.1 Nature and importance of scientific Attitude
- 3.2 Ecological Balance
- 3.3 AIDS Awareness
- 3.4 Scientific attitude Towards water consumption
- 3.5 Population Control

Unit No. 4 Computer Education

- 4.1 Definition and Nature of Computer
- 4.2 Hardware and software
- 4.3 Parts of Computer
- 4.4 Uses of Computer in various fields