## CHAPTER 1: THE NATURE AND COMPLEX

Key Concepts:
Science; Non-Science, Pseudoscience; Sciencism; Knowledge types; Institution; Science; Non-Science, Pseudoscience; Myth; Common-sense knowledge; Science; Religious Beliefs; Myth; Common-sense knowledge; Religious Beliefs; Myth; Common-sense knowledge; Religious Beliefs; Myth; Common-sense knowledge; Religious Science; Non-Science, Pseudoscience, Science, Common-sense knowledge; Science Authority; Tradition; Religious Beliefs; Myth; Common-sense knowledge; Science as Proven knowledge; Science as pragmatic and progressions. Authority; Tradition; Religious Bellers, Myur. Common School Religious Bellers, Myur. Common R

Instruction Schenge + 18 the systematic and Conjugat instruction and discovering how things are and also albludy of peacity

- this is a system of Information, Mon-science - Tills is a chile techniques and hypothesis that uses fechnical akills to do transformation and 2 \* Man-Science. does not use nor dosense squentiac methods. pseudoscience & A body of knowledge that

pseudusciel scientific or to be supported purports to be scientific method by science but fails to comply with scientific method 4 \* Boiengism - the belief that the scientific method and the assumptions and research methods

of the physical Sciences are applicable to all offer disaplines and to others that are not laluable

- A Mosterioti knowledge > This is a type of knowledge we. get directly from our own personal experience.

Empirical knowledge - A type of knowledge obtained

A prolin knowledge - A type of knowledge and facts that exist without the need to experience it Institution - An establishment , toundation , phenomen

pr fact tounded for a purpose.

Authority - and ethical concept to recognize an. Inflyence of a pergon, closely related to the notion

this refers to the doctrine modes of

Conceptualization and practices passed down to one anote Reliquos beliefs means the noture , concepts, arguments 10 + Myth + A Symbolic normalitie or Lengenday story Use yelly the of waknown anym of a hero or execut that ye especially associated with religious befret or phemeron from 11x Common - Sense Knowledge - Unityes and Sythesizes to gue Bense, awareness or anscidusness to our perceptrong / formion betiefs, opinions and s Ideology Certain-tres. System em beolded to Society and linked by the dense feedback loop which is powerfully lattuesse by external environment and shaped by author Scientific to dominant Icleas which are the Scientific hypothesis, theories and metaphors. a proven knowledge + Schence was to be a no proven knowledge ; but In soience lay in the belief that it is a praten induled as against mere given of the sense and And as It is said Chiticism is anathema lobking at how fincter's relativity theory turned the table against good aspect of the glory of Newton Today Scientist Styll think that Scientifie Knowledge can be a proven knowledge Science as pragmatic and progressive value they to tend to patronize keep what we call non-Science because of the pragmatic Value and West thy and existential life would equipérate science to non-science , claim the science superioty to what is non science lay not In being time of more sound knowledge but being refore progressive and pragmatic Land efficient

and the same of th	
Exercise 1.2  Give two senses of the word science  1: Science as Said to  ling haquiledge or stud  LOD-19	lying and understanding the
2. Science is eyes se Sing thousands or millo detelopment of human research centers and	sommer l'attentions en va au l'actions l'actions le contract l'actions course la
Exercise 1.3	•
List kinds of knowledge	
Factual knowledge	
Conceptual proported	90
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procedural knowled	46
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Exercise 1.4	
List and a filtrouvledge	
List sources of knowledge	
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Imagination	
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Extraction	***************************************
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Scientific empiricion.	# X A # B S E & O O O O O O O O O O O O O O O O O O
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## CHAPTER 2: SCIENCE: FEATURES AND METHODS

Objectivity; Verifiability; Ethical Neutrality; Systematic Exploration; Reliability; Precision: Accuracy: Abstract Laws; Precision; Accuracy; Abstractness; Predictability; External World; Physical Laws; Uniformity of Nature: Standard Cheervation; Uniformity of Nature; Simplicity (values in science); Hypothesis; Observation; Experiment: Trial and Experiment: Experiment; Trial and Error; Statistical Method; Sampling; Inductive leap; limitations of Method in Science: of Method in Science:

Exercise 2.1 this means the capacity 1 Instruction Ob TRC-LIVILLY see and accept facts and figures as they are 2 Verifiability + class gathered through our sense Dragans, 50 that other observes can observe use igu or measure the same phenome t means those One or an otopolised plan or researce hypothesis, and Collection and anexbout the problem under Study Uncleany Circumstances at any fime or anywhere. E precision - means giving except number bruant scientific ithings, so methim predictability - means an attempt

10 External world & the Looked Consisting of all the objects and ellents which are expersence ble of whose existence is accepted by the human mind and Independent of human consciousness of a

H Physical laws & these are statements of a E Taxt that a particular phenomenon is certain with Li Conclitions Surrouding it and can be detected by abservation and experiment 12 Uniformity of Nature 1 19 the principle that the course of nature continues Uniformly the same 13 5 implicity - This is a meta - scientific criterion Simplicity = The Scientist evaluate Competition theories by which screntist of hypotheses and complexity of things a language quessistation of hypotheses and complexity of things a language quessistation the process of screntific research qui'de the process of scientific research analysis and classification on a problem underst observations which result might be true or not 15 Observation - this is a coreful study of Causal Sequences and Situations for a Verified mount 16 Experiment - the provision of nessessing evidence through the selection of appriopriate analytic process of scientific sampling techniques 17 Trial and Grow - means the test Ideas of hypotheses and system of thought for Coherence, factual and logical Consider 18 statistical method - the science of collection, dralysis and classification of numerical data as a basis for Induction 14 sampling 1- 1s the method in which we take the norture of Certain makerialas an Indication or example. leap - for it to be examined for accuracy Incluctive leap + this means when a specific lused as a basis for a general anclusion which are mostly used through e itations of method of science Sciences Cannot preserible Values Sciences are dependent upon nooms sense organ whole may have qualities absent in the part Interpretation Concerning a research

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Exercise 2.2			
List 9 Features of Science	anamententimentamentamenten	Maria de la companya	
Objectivity		121140111111111111111111111111111111111	12
Verificability	<u>15)</u>	mmennummaaaaaammaa aaaaaaaaaaaaaaaaaaaaaaaa	4
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predictability	)	anamanamanamanamanamanamanaman	min
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Exercise 2.3.	s of Science		
Exercise 2.3.  Enumerate 5 Assumption	a theory. Inch	errol world	CHARL
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Exercise 2.4	-use Method		
Exercise 2.4 Outline the Steps of Scie	intilic Metrios.	e of a problem	
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5 CONCLUSION	THEETEVENSORY	WHAT WATER	
10 true			111111111111111111111111111111111111111
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