

DR AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
(FORMERLY NORTHERN INDIA ENGINEERING COLLEGE)
(A UNIT OF BBD GROUP)
ACADEMIC YEAR: 2022-23

COURSE CODE:

SEMESTER: 3 RD

COURSE TITLE: CRST

NAME OF FACULTY: DR ANSHUL

UNIT 1- LECTURE 1

DATE:		TEACHING METHODOLOGY:
TOPIC TO BE COVERED:		White board
INTRODUCTION, PRINCIPLES OF CRITICAL REASONING	Critical reasoning is all about identifying, analysing and solving problem systematically. 7 Basic Principles Of Critical Reasoning	CLASS ACTIVITY: Different reasoning
APPLICATION OF THE TOPIC:	explain	EXAMPLES: Library rehabilitation
Day to day life problem solving		EXTRA WORK: ASK THEM TO CITE DIFFERENT EXAMPLES
REFERENCE/BOOKS:		
1) Critical reasoning by tom ChatField		

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UNIT 1-LECTURE 2

DATE:		TEACHING METHODOLOGY: WHITE BOARD/ GREEN BOARD
TOPIC TO BE COVERED:	CONCEPTS IN CRITICAL REASONING	
CONCEPTS- ANALYZING, EVALUATING	ANALYZING -The argument is a set of statements of which it is claimed that one of those statements the premises supports the conclusion.	CLASS ACTIVITY: DISCUSSION OF DAY TO DAY EXAMPLES
APPLICATION OF THE TOPIC:	GIVE EXAMPLE	
Day to day life problem solving	EVALUATING REASONING Evaluative reasoning is a building block in evaluation: it is used throughout the evaluation to synthesize information necessary to draw evaluative conclusions.	EXAMPLES: METEROLOGICAL DEPTT QUES
REFERENCE/BOOKS:	GIVE EXAMPLE	EXTRA WORK: FITNESS WALKER QUES
1) Critical reasoning by Tom Chatfield 2) CRITICAL REASONING LEWIS VAUGH		

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UNIT1- LECTURE 3

DATE:	INTEGRATED REASONING Integrated Reasoning (IR) is a relatively new section (launched in 2012) designed to test the ability of a candidate to analyze the data presented in various formats and solve related problems. The questions belong to 4 different types: graphical interpretation, 2 part analysis, table analysis, and multi-source reasoning. Graphical Interpretation questions	TEACHING METHODOLOGY: ICT/ SMART CLASSROOM CLASS ACTIVITY: DISCUSSION OF DAY TO DAY EXAMPLES EXAMPLES: COMMUTERS QUES EXTRA WORK: ACADEMIC COMPETITION QUES
TOPIC TO BE COVERED: INTEGRATED REASONING, GRAPHICAL INTERPRETATION QUES		
APPLICATION OF THE TOPIC: Day to day life problem solving		
REFERENCE/BOOKS: 1) Critical reasoning by Tom ChatField 2) CRITICAL REASONING LEWIS VAUGH		

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UNIT 1- LECTURE 4

DATE:		
TOPIC TO BE COVERED:		TEACHING METHODOLOGY: ICT/ SMART CLASSROOM
TABLE ANALYSIS		
APPLICATION OF THE TOPIC:		CLASS ACTIVITY:
Day to day life problem solving		DISCUSSION OF DAY TO DAY EXAMPLES
REFERENCE/BOOKS:	TABLE ANALYSIS QUESTIONS EXPLANATION	
1) Critical reasoning by Tom ChatField		EXAMPLES:
2) CRITICAL REASONING LEWIS VAUGH		PASSENGER QUESTIONS
		EXTRA WORK:
		DO MORE QUESTIONS FROM ASSIGNMENT

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UNIT 1-

LECTURE 5

DATE: TOPIC TO BE COVERED: TWO PART ANALYSIS APPLICATION OF THE TOPIC: Day to day life problem solving REFERENCE/BOOKS: 1) Critical reasoning by Tom ChatField 2) CRITICAL REASONING LEWIS VAUGH	TWO PART ANALYSIS QUESTIONS/ explaination	TEACHING METHODOLOGY: Green board/white board CLASS ACTIVITY: DISCUSSION OF DAY TO DAY EXAMPLES EXAMPLES: Musical fest ques EXTRA WORK: DO MORE QUESTIONS FROM ASSIGNMENT
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UNIT 1- LECTURE 6

DATE:	Multi-Source Reasoning As the name suggests, Multi-Source Reasoning (MSR) questions comprise information from more than one source. An MSR question will have two or three tabs of information; however, you can view only one tab at a time by clicking it. You are probably already familiar with this format as you encounter tabs in your daily use of internet browsers. The tabs contain a combination of written passages, graphs, diagrams, tables, or other types of visual information.	TEACHING METHODOLOGY: Green board/white board CLASS ACTIVITY: DISCUSSION OF DAY TO DAY EXAMPLES EXAMPLES: Sales question EXTRA WORK: DO MORE QUESTIONS FROM ASSIGNMENT
TOPIC TO BE COVERED:		
MULTI SOURCE REASONING		
APPLICATION OF THE TOPIC:		
Day to day life problem solving		
REFERENCE/BOOKS:		
1) Critical reasoning by Tom ChatField 2) CRITICAL REASONING LEWIS VAUGH		

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UNIT 1 -LECTURE 7

DATE: TOPIC TO BE COVERED: SCIENTIFIC REASONING APPLICATION OF THE TOPIC: Day to day life problem solving REFERENCE/BOOKS: 1) Critical reasoning by Tom ChatField 2) CRITICAL REASONING LEWIS VAUGH	SCIENTIFIC REASONING Scientific reasoning is the foundation supporting the entire structure of logic underpinning scientific research. It is impossible to explore the entire process, in any detail, because the exact nature varies between the various scientific disciplines. Despite these differences, there are four basic foundations that underlie the idea, pulling together the cycle of scientific reasoning.	TEACHING METHODOLOGY: Green board/white board CLASS ACTIVITY: DISCUSSION OF DAY TO DAY EXAMPLES EXAMPLES: protein question EXTRA WORK: Diabeties ques
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UNIT 1- LECTURE 8

DATE:	STRATEGIC REASONING : As the name suggests, strategic reasoning involves a strategy. A coordinated action plan focused on significant success. In principle, this type of reasoning is used in times of war and then in the world of commerce. You can develop strategic thinking in your everyday life. For example, you go on a trip and pack our things, thinking ahead and assuming what you need to take in case of bad weather, an illness, losing documents or money. Another helpful tip is to gather as much as possible information and try to analyze it before planning.	TEACHING METHODOLOGY: Green board/white board CLASS ACTIVITY: DISCUSSION OF DAY TO DAY EXAMPLES
TOPIC TO BE COVERED: Strategic reasoning	APPLICATION OF THE TOPIC: Day to day life problem solving	REFERENCE/BOOKS: 1) Critical reasoning by Tom ChatField 2) CRITICAL REASONING G LEWIS VAUGH

Strategic Reasoning: Features and Exercises to Promote It

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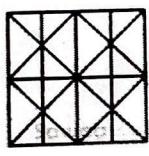
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UNIT 1- LECTURE 9

DATE: TOPIC TO BE COVERED: ANALYTICAL REASONING APPLICATION OF THE TOPIC: Day to day life problem solving REFERENCE/BOOKS: 1) Critical reasoning by Tom Chatfield 2) CRITICAL REASONING LEWIS VAUGHN	ANALYTICAL REASONING Q: Find the minimum number of straight lines required to make the given figure.  <input type="checkbox"/> A) 11 <input type="checkbox"/> B) 14 <input type="checkbox"/> C) 16 <input type="checkbox"/> D) 17	TEACHING METHODOLOGY: Smart classroom/ICT CLASS ACTIVITY: STUDENTS WILL BRAINSTORM THE TOPIC EXAMPLES: EXTRA WORK:
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UNIT 1- LECTURE 10

DATE:	TYPES OF BIASES <u>Bias is an inclination, prejudice, preference or tendency towards or against a person, group, thing, idea or belief.</u> Biases are usually unfair or prejudicial and are often based on stereotypes, rather than knowledge or experience. Bias is usually learned, although some biases may be innate. Bias can develop at any time in an individual's life.	TEACHING METHODOLOGY: Green board/white board CLASS ACTIVITY: DISCUSSION OF DAY TO DAY EXAMPLES EXAMPLES: Students are asked to cite examples EXTRA WORK: DO MORE QUESTIONS FROM ASSIGNMENT
TOPIC TO BE COVERED: TYPES OF BIASES APPLICATION OF THE TOPIC: Day to day life problem solving REFERENCE/BOOKS: 1) Critical reasoning by Tom ChatField 2) CRITICAL REASONING LEWIS VAUGH		

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UNIT 1- LECTURE 11

DATE:		TEACHING METHODOLOGY: Green board/white board
TOPIC TO BE COVERED: RECOGNIZING IMPLICATIONS	RECOGNIZING IMPLICATIONS <u>To recognize implications, it is important to first note how important it is based on how often or in how much detail it is discussed. Further, context is an important element for figuring out what the implication of something is, and readers can use tools like graphic organizers to help them recognize implications</u>	CLASS ACTIVITY: DISCUSSION OF DAY TO DAY EXAMPLES
APPLICATION OF THE TOPIC: Day to day life problem solving		EXAMPLES: Students are asked to cite examples
REFERENCE/BOOKS: 1) Critical reasoning by Tom ChatField 2) CRITICAL REASONING LEWIS VAUGH		EXTRA WORK: DO MORE QUESTIONS FROM ASSIGNMENT

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UNIT 1- LECTURE 12

DATE:		TEACHING METHODOLOGY:
TOPIC TO BE COVERED:		Green board/white board
PROBLEMS DISCUSSION		CLASS ACTIVITY:
APPLICATION OF THE TOPIC:		DISCUSSION OF DAY TO DAY EXAMPLES
Day to day life problem solving	REVISION	EXAMPLES: Students are asked to cite examples
REFERENCE/BOOKS: 1) Critical reasoning by Tom ChatField 2) CRITICAL REASONING LEWIS VAUGH		EXTRA WORK: DO MORE QUESTIONS FROM ASSIGNMENT