Unit Wise Real Time Applications/Live Examples

Department: Mechanical Engineering   Semester: I   Academic Year: 2024-25

Class: TE   Div: A Course: Advanced Forming & Joining Processes (302045-A)

Unit No. -Name	Real life Applications
UNIT 1: **Mechanics of Sheet Metal Forming**	
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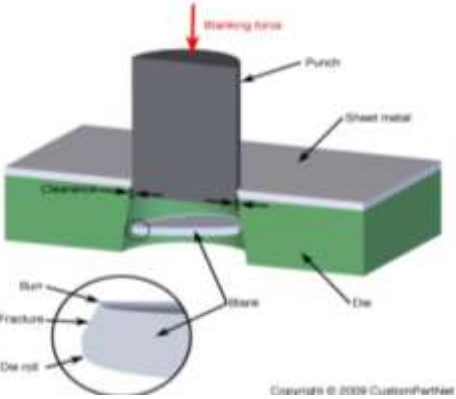
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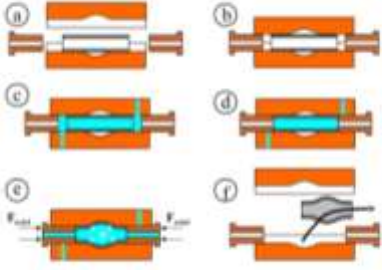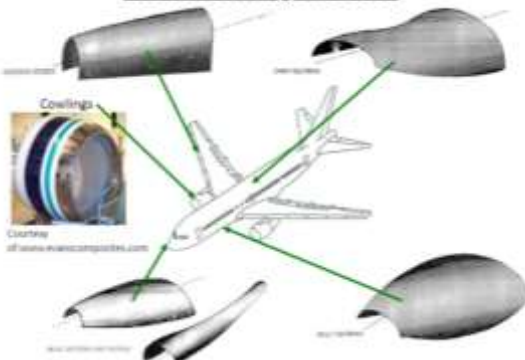| Unit No. -Name	Real life Applications
UNIT 1: **Mechanics of Sheet Metal Forming**	
UNIT 1: **Mechanics of Sheet Metal Forming**	 **Perforating** Punching a close arrangement of a large number of holes in a single operation.
UNIT 1: **Mechanics of Sheet Metal Forming**	

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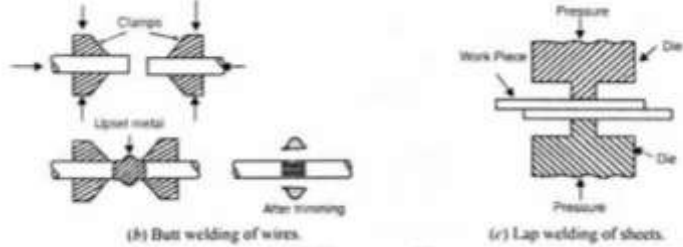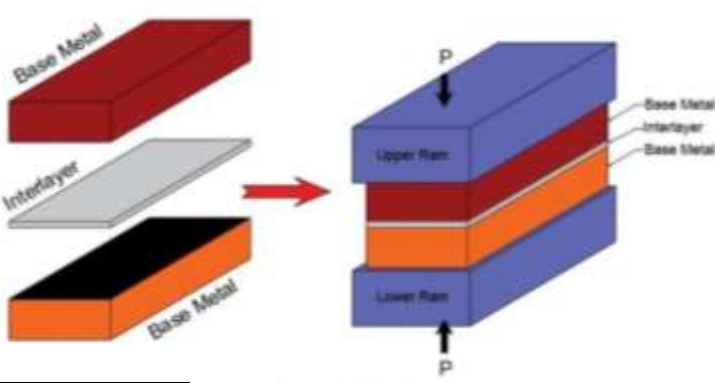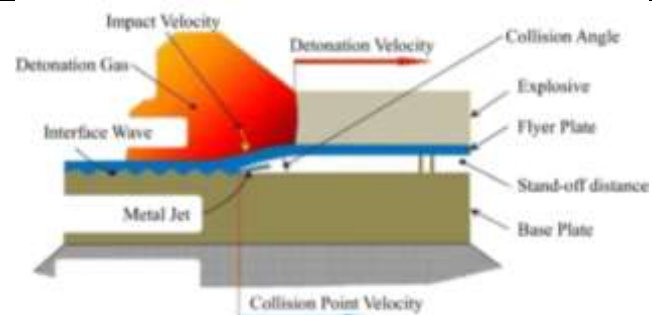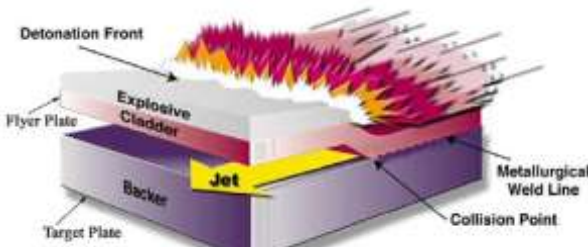
Unit No. -Name	Real life Applications
UNIT 2: **Special Forming** **Processes**	 Tube Hydroforming
UNIT 2: **Special Forming** **Processes**	 Stretch Forming: equipment Stretch Forming with Reconfigurable Tool
UNIT 2: **Special Forming** **Processes**	 Stretch Forming: Products

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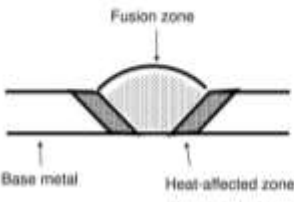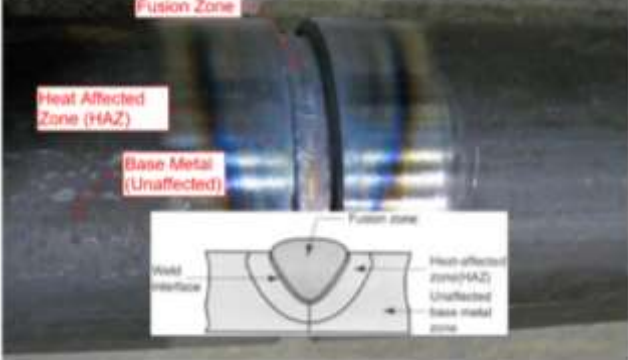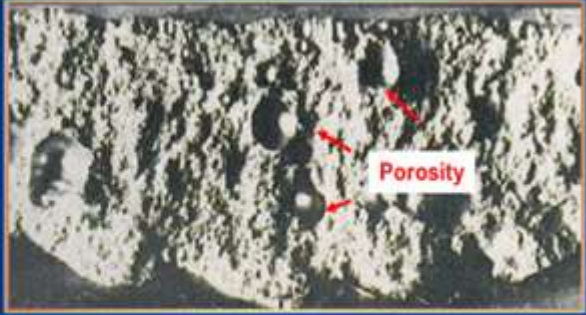|	**ZEAL EDUCATION SOCIETY'S**	
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Unit No. -Name	Real life Applications
UNIT 3: Weld Metallurgy	
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Unit No. -Name	Real life Applications
UNIT 4: **Solid State Welding** **Processes**	 (b) Butt welding of wires. (c) Lap welding of sheets.
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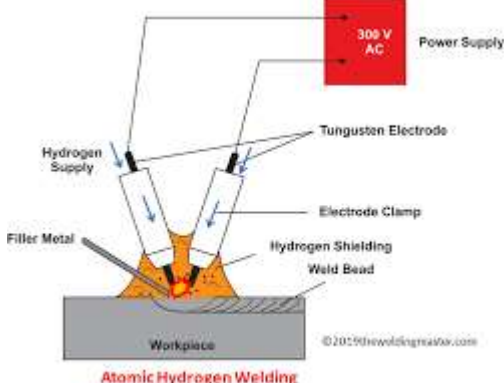
Unit No. -Name	Real life Applications
UNIT 5: **Advanced Welding Processes**	
UNIT 5: **Advanced Welding Processes**	 Laser Beam welding
UNIT 5: **Advanced Welding Processes**	 Underwater welding

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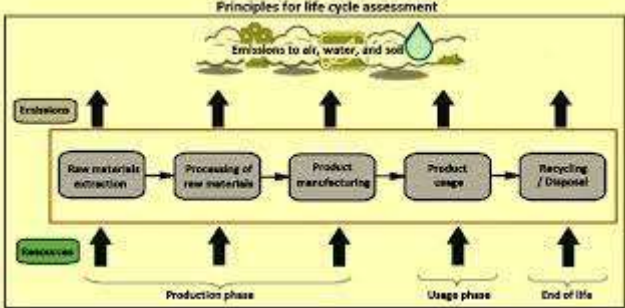
Unit No. -Name	Real life Applications
UNIT 6: Sustainable Manufacturing	
UNIT 6: Sustainable Manufacturing	 Environment protection norms
UNIT 6: Sustainable Manufacturing	 waste recycling

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