

Institute of Engineering and Technology (IET-DAVV) Indore

III BE (Ex.CBCS) (Mechanical Engineering)

PRODUCTION ENGG.-I_ Assignment_Apr2018

Last Date of Submission: 10th May 2018

Total Number of questions: 06

Note: **Attempt all questions.** Answers should be brief and neatly written in your own handwriting & supplemented by diagrams/sketches/figures wherever required.

1. Explain the Forming Limit Diagram and explain its significance. Classify the various types of presses used for sheet metal working and also explain the criteria for their selection.
 2. Explain briefly (i) Drawing Dies (ii) Materials and process of manufacture of sheet metal dies
 3. Write the various design considerations for the Forged Parts and Composite Parts.
 4. Explain reliability. Write the various considerations for improving the reliability of any part or system.
 5. Classify the various types of production systems. Also classify the various methods/systems for workpart transfer and also write their applicability w.r.t. different production environments.
 6. Classify the various types of assembly systems and also write the design considerations for the automated assembly systems.
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