

**DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION
FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
2012/2013 SECOND SEMESTER EXAMINATION**

COURSE:- MWT 522: Metal Stamping

TIME ALLOWED: 2hours 30minutes

INSTRUCTION: Answer any four questions. All questions carry equal marks.

1. Explain any five of the following types of dies: Cutoff, Drop-Through, Return Type, Compound, Combination, Progressive and Transfer
2. Sheet metal may be press worked by five processes. List and explain them.
3. Explain the term press drive. List and explain any five mechanical methods of providing press drive.
4. Define the following parts of a die set: (i) lower shoe, (ii) punch steel, (iii) hold down plate, (iv) stripper plate and (v) keeper.
5. Forging, hot trimming, burnishing, ironing and extrusion are processes used in press working other forms of metal. Explain them.
6. Presses may be classified by frame position. Name and explain the five types of such press classifications.

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