Technical Drafting Tools and Equipment

Contest Guidelines

Equipment
1. Supplied by the technical committee for each contestant:
   a. Flat table space approximately 24” X 72”
   b. Chair
   c. Two 110-volt electric outlets
   d. Flash drive
   e. Printer with toner
   f. Paper
2. Supplied by the contestant (These materials cannot be shared with other contestants.):
   a. A personal computer
   b. Computer aided drafting software that is able to create 3D models
   c. Battery powered calculator (not a cell phone)
   d. Machinery’s Handbook and a maximum of three additional published reference books
   e. One paper copy of the contestants’ resume. A 10-point score reduction is assessed if no resume is submitted.

Contest Guidelines
1. The contestants are required to create part and assembly drawings of a mechanical product. The number of drawings will vary depending on the product. The drawing portfolio may vary between five to 10 drawings.
2. Contestant supplied computer aided drafting and design software is used.
3. The contestants work independently. No assistance may be given by other contestants, instructors, advisors, or observers.
4. All contestants start, break for lunch, and finish at the same time. No contestant is allowed to work past the contest conclusion. If contestants are waiting to print after the contest conclusion, they are allowed to print one drawing only.
5. Contestants will store all their drawings in .pdf format on supplied flash drives for printing.
6. Contestants’ drawings are judged relative to pre-established criteria for each drawing in the drawing portfolio. The total contest points include points from the written exam and drawings.

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