**School of Engineering & School of Architecture**

**(January 18, 2016 r1)**

## PRINT NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Please sign this test here \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

In signing this test, I acknowledge that I have carefully read and fully understand the general safety rules and operational policies of the School of Engineering’s fabrication & prototyping areas, and I will comply with them. I also realize that other, undefined hazards will exist in the fabrication & prototyping area and therefore, my safety, and that of others, is ultimately my own responsibility.

## CLASS\_\_\_\_\_\_\_\_\_ SECTION\_\_\_\_\_\_\_\_\_\_\_\_

## **Directions:** You must get 25/25.

|  |  |
| --- | --- |
|  | 1. Working alone in a shop or fabrication area is okay if you are not using powered tools or electronic devices. |
|  | 2. You are responsible for housekeeping and cleaning up after you are finished working on a project. |
|  | 3. You can cut any type of plastic on the laser cutter. |
|  | 4. Unsealed lead-acid batteries, such as maintenance free car and motorcycle batteries, are acceptable. |
|  | 5. Personal power tools can be used without restriction. |
|  | 6. Students are allowed to fabricate pressure vessels from plastic pipe and common plumbing fittings. |
|  | 7. While using a chisel it is safe to do the following:1. Hold work piece in my lap
2. Hold work piece with other hand in front of chisel
3. Clamp work piece to bench
4. All of the above
 |
|  | 8. Identify the following managers.1. Manager of Fabrication & Prototyping, School of Engineering
2. Manager of Fabrication & Prototyping, School of Architecture

A. John Szczesniak, B. Dean Garde, C. Sam Chiappone, D. Bill Bergman  |
|  | 9. Safety glasses are only required when working with power equipment. You do not need glasses when you are working at an electronics bench in a shop area. |
|  | 10. In case of a fire or hazardous chemical spill evacuate the area immediately. |
|  | 11. You can use the shop or fabrication area whenever you find a door open even if your class TA or professor is not present in the lab. |
|  | 12. You must report all injuries to your instructor, TA, or staff person. |
|  | 13. Painting can be done at your workbench. |
|  | 14. Students supervising fabrication areas are allowed to approve the use of line voltage above 24V.  |
|  | 15. You should not drain dispose any chemical without first consulting an instructor or staff person. |
|  | 16. The best way to learn how to use a power tool is trial and error; no need to ask for instructions. |
|  | 17. Safety glasses are available for purchase at Pfeil Hardware , Home Depot, and \_\_\_\_\_\_\_\_\_\_\_\_.1. Price Chopper 2. DCC Food Chart 3. Rensselaer Union Bookstore4. Core Engineering Office |
|  | 18. Student lab supervisors do not have the right to ask a student to leave the shop area due to a safety violation. |
|  | 19. The Emergency phone number for RPI-Public Safety is 276-[ ]. A campus phone uses the last four digits only. |
|  | 20. Select all acceptable foot gear in the fabrication areas.1. All
2. 1 & 2
3. 3 & 4
4. None

http://blogs.scientificamerican.com/bering-in-mind/files/2014/07/loboutin-sky-high-heels-300x300.jpg |
|  | 21. All electrical devices using a 3 prong plug AC line must be connected to a 3 conductor extension cord or 3 conductor outlet. |
|  | 22. Treated lumber can be cut in the Architecture Fabrication shop.  |
|  | 23. MDF (Medium Density Fiber) board can be machined in:1. The Processes lab
2. The Design Lab
3. Architecture Fabrication Shop
4. Advanced Manufacturing Lab
 |
|  | 24. Safety is everyone’s responsibility and you should report any unsafe act or situation to your instructor or staff person. |
|  | 25. I acknowledge that I have carefully read and fully understand the general safety rules and operational policies of the School of Engineering’s and the School of Architecture’s fabrication & prototyping areas, and I will comply with them. I also realize that other, undefined hazards will exist in the fabrication & prototyping area and therefore, my safety, and that of others, is ultimately my own responsibility.Yes, I agree.No, I do not agree. |