

PRE-TEST ANSWER SHEET

Quiz for machinery and machine guarding

1. As a general rule, power transmission apparatus is best protected by which of the following?
 - a) **Presence-sensing devices**
 - b) Warning signs placed between the worker and the work
 - c) Fixed guards that enclose the danger area
 - d) Mechanical arm restraints

2. Point of Operation is the point where work is performed on the material, EXCEPT:
 - a) Cutting
 - b) Shaping
 - c) Boring
 - d) **Gluing**

3. Which of the following is NOT one of the four types of machine guards?
 - a) Fixed
 - b) **Flexible**
 - c) Interlocked
 - d) Adjustable

4. A wide variety of mechanical motions and actions may present hazards to the worker. These can include the movement of rotating members, reciprocating arms and cutting teeth.
 - a) **True**
 - b) False

5. This guard is usually preferable to all other types because of its relative simplicity and permanence.
 - a) **Fixed**
 - b) Adjustable
 - c) Interlocked
 - d) Flexible

6. What happens when the light field is broken while using a photoelectric presence-sensing device?
 - a) An alarm sounds
 - b) The machine works since no one is present
 - c) **The machine stops and will not cycle**
 - d) Strobe lights begin flashing

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7. These devices use a series of cables attached to the operator's hands, wrists, and/or arms.
 - a) Pullback devices
 - b) Presence-sensing devices
 - c) Two-hand trip devices
 - d) Restraint devices

8. These devices require pressure that is designed to detect the presence of people on its sensing surface.
 - a) Safety mat
 - b) Presence-sensing devices
 - c) Two-hand trip devices
 - d) Restraint devices

9. These devices use cables or straps that are attached to the operator's hands at a fixed point.
 - a) Safety trip controls
 - b) Pullback devices
 - c) Restraint devices
 - d) Fixed devices

10. These devices have a probe or contact bar which descends to a predetermined distance when the operator initiates the machine cycle.
 - a) Pullback devices
 - b) Safety trip controls
 - c) Electro-mechanical sensing device
 - d) Two-hand control