STS® EXAMINATION BLUEPRINT
STS5

Domain 1
Safety Program Implementation and Management • 15%

1. Describe essential elements of new employee orientation training.
2. Identify the elements of a Job Safety Analysis (JSA).
3. Apply knowledge of incident investigation and reporting.
4. Observe workers' fitness for duty and refer when necessary.

Domain 2
Hazard Awareness • 20%

1. Apply knowledge of safety inspection procedures and corrections.
2. Apply knowledge of Stop Work Authority (SWA).
3. Identify hazards based on documentation.
4. Apply knowledge of safety audits.
5. Apply knowledge of motor vehicle safety procedures.

Domain 3
Hazard Controls • 20%

1. Apply knowledge of hierarchy of controls.
2. Describe how the continuous improvement process for a JSA is conducted.
3. Determine how to mitigate or reduce hazards.
4. Apply knowledge of risk assessment and management.
5. Apply knowledge of machine safeguarding.

Domain 4
Basic Industrial Hygiene • 12%

1. Identify hazards related to biological issues.
2. Identify hazards related to chemical issues.
3. Identify hazards related to physical issues.
4. Identify hazards related to airborne issues.
5. Identify hazards related to ergonomics issues.
6. Identify chemical routes of entry into the body.
7. Apply knowledge of hazardous atmospheres.

Domain 5
Emergency Preparedness and Management • 11%

1. Apply knowledge of routine emergency equipment inspections.
2. Apply knowledge of equipment emergency shutoff procedures.
3. Identify what should be included in an emergency response plan.

Domain 6
Life Critical Activities • 22%

1. Identify electrical hazards.
2. Identify confined spaces hazards.
3. Identify fall hazards.
4. Describe isolation of hazardous energy.
5. Identify ladder safety protocols.
6. Identify fire protection systems.
7. Identify risks associated with hoisting and rigging.

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