3 course TE UNIT 3.1. EVENTS. **SURNAME NAME GROUP**

Task 1. Match the words in Column A with their corresponding effects in Column B.

1. Loose wiring	a) Causes measurement errors and inefficiency.
2. Clogged filter	b) Leads to decreased performance and unexpected breakdowns
3. Leaking hydraulic fluid	c) Results in incorrect temperature readings and process failure.
4. Improper calibration	d) Reduces airflow, causing system inefficiency.
5. Overloaded motor	e) Can lead to overheating and fire hazards.
6. Mechanical wear and tear	f) Leads to overheating and shutdown.
7. Faulty temperature sensor	g) Decreases pressure, affecting machine performance.

Task 2. Read the descriptions and identify the equipment issue.

1. The machine is vibrating excessively, and one of the components is out of alignment.

2. There is a burning smell coming from the electrical panel.
3. The compressor is running, but no air pressure is being generated.
4. The reactor temperature is fluctuating beyond the setpoint.
5. The conveyor belt has stopped moving suddenly.

Task 3. Fill in the blanks using the appropriate words:

1. The technicians _____ a leak in the hydraulic system and immediately shut it down.
2. A worn-out belt was _____ to restore the conveyor's functionality.
3. The grinder _____ due to a _____ cooling vent.
4. The system was _____ before restarting to ensure proper function.
5. The motor was _____ because of excessive _____ and tear.

6. The air filter was _____, which led to reduced cooling _____.
7. The maintenance team _____ the pressure sensor to improve _____.
8. After the sudden _____, the machine was _____ to resume operations.
9. The pump bearings were _____ to reduce friction and prevent overheating.
10. The cooling fan _____, causing the system to _____.

Task 4. Rearrange the following steps in the correct order for troubleshooting a malfunctioning pump:

A) _____The pump was shut down to prevent further damage.

B) _____The pump was restarted, and its performance was monitored.

C) _____ The operators noticed abnormal noise and a drop in pressure.

D) _____ A worn-out seal was discovered and replaced.

E) _____ Maintenance staff inspected the pump for faults.

Task 5. Read each scenario and determine the most likely root cause of the problem.

1. A pump is making loud, grinding noises and its efficiency has dropped significantly.
   a) Clogged filter
   b) Worn-out bearings
   c) Power surge
   d) Sensor failure
2. A chemical processing plant experiences inconsistent temperature readings in the reactor.
   a) Blocked cooling system
   b) Improper pressure control
   c) Faulty temperature sensor
   d) Mechanical wear
3. A hydraulic press is failing to generate sufficient pressure despite the motor running properly.
   a) Air trapped in the system
   b) Leaking hydraulic fluid
   c) Overheated motor
   d) Misaligned pistons
4. A PLC-based control system suddenly stops responding and shuts down production.
   a) Power fluctuation
   b) Software bug
   c) Faulty wiring
   d) All of the above

5. **An industrial fan is running but is not providing adequate ventilation.**
   a) Blocked air ducts
   b) Low voltage supply
   c) Worn-out motor bearings
   d) Incorrect speed settings

Task 6: Complete the following conditional sentences using the correct verb form.

1. If the operators_____ **(check)** the cooling system regularly, the motor _____**(not overheat)**.
2. If the pressure valve _____**(fail)**, the system _____**(shut down)** automatically.
3. If maintenance staff _____**(not replace)** the faulty sensor, the machine _____ **(give)** incorrect readings.
4. If debris _____**(block)** the air filter, the compressor _____ **(stop)** working properly.
5. If the safety switch _____**(not be activated)**, the equipment _____**(continue)** running in unsafe conditions.