

**LFS/Q0215 Set 1**  
**Maintenance Assistant Final Assessment**

**1. LFS/N0238: Support supervisors in the maintenance process**

**Assembly, Installation and Maintenance**

**PC1. Support supervisor in assembling the infrastructure properly**

1. What is the basic tool to be carried for an electric maintenance job?
  - a. **Tester**
  - b. Spanner
  - c. Hack saw frame
  - d. Allen key set

**PC2. Coordinate with supervisor to get the parts ordered for installation or as spare parts**

2. Which of the following items should be available in stock during machine maintenance?
  - a. **Spare parts**
  - b. Finished goods
  - c. Raw material
  - d. Fixtures

**PC3. Assist in maintaining proper levels of materials/supplies/ gases to ensure timely and efficient completion of necessary tasks**

3. What are the necessary items that are required for the accomplishment of an efficient maintenance work?
  - a. Finished goods
  - b. **Materials and accessories**
  - c. Semi-finished parts
  - d. Rejected parts

**PC4. Support the supervisor in prevention of defects and quality as per requirement**

4. What is best done to prevent defects during assembly, installation or maintenance of a machine?
  - a. Speed fastening of parts
  - b. **Correct assembly position of parts**
  - c. Lubrication of parts before assembly
  - d. Senior technician for installation of parts

**PC5. Start machines or equipment for HVAC, gases, water, steam and electricity**

5. What is very importantly required to start a machine after the completion of maintenance?
  - a. **Electric power**
  - b. Safety gadgets
  - c. Oil/ lubrication
  - d. Measuring equipment

**PC6. Scrap waste material from the machine**

6. What materials should be scrapped after a machine maintenance work?
  - a. **Worn-out parts**
  - b. Tools
  - c. Measuring equipment
  - d. Gauges

**PC7. Clean and lubricate equipment to make it fit for use as per the SOP**

7. Which item is essential to fit machine parts during maintenance?
- a. Work piece
  - b. Uninterrupted power
  - c. Job sheet
  - d. **Lubricant**

**PC8. Clean the approach path of obstructions for ease in transportation from the storage area for input to the storage area for output**

**PC9. Use hands and arms in handling, installing, positioning, moving materials, and manipulating things**

8. Which type of handling systems are generally used during machine installation?
- a. Conveyors
  - b. Rail tracks
  - c. Chain drive
  - d. **Crane & Hoists**

**PC10. Observe equipment operations so that malfunctions can be detected, and notify operators of any malfunctions**

**PC11. Attach slings, ropes, or cables to objects such as pipes, hoses, or bundles**

9. What aspect helps to investigate machine and equipment malfunction during operation of a machine?
- a. **Out of specification performance**
  - b. Defects in raw material
  - c. Damage in product during transit
  - d. Defects in product

**PC12. Keep all the accessories like cleaning brush, levers, and release agent ready**

10. Which accessory is very importantly required to be kept ready during machine maintenance?
- a. Hammer
  - b. **Release agent**
  - c. Spanner
  - d. Cutting implement

**PC13. Set and adjust controls**

11. What needs to be corrected and fine-tuned after the installation of a machine?
- a. Safety mechanism
  - b. Tool kit
  - c. **Controls of the machine**
  - d. Calibration tools of the machine

**PC14. Take up the results of the findings with the appropriate authority**

12. Who should be reported to about fault findings of machines after a maintenance activity?
- a. Operator
  - b. Store keeper
  - c. **Supervisor**
  - d. Lead mechanic

**PC15. Perform sanitation of machines, totes, and other areas**

13. Which of the following is the best periodical method of cleaning machines?
- a. **Preventive maintenance**
  - b. Breakdown maintenance
  - c. Production maintenance
  - d. Start up maintenance

## Safety Checks

### PC16. Ensure that there are no leakages

14. Which is a guideline that helps in the compliance of safety regulations during machine maintenance?
- Operation control procedures**
  - Quality management systems
  - Supervisory guidelines
  - Instructions from the manager

### PC17. Ensure compliance with all regulations, 5S, TPM guidelines and company policies

15. Which system adopts the concept of 5S principles for machineries and maintenance activity in a company?
- TPM practice**
  - Quality management systems
  - Environmental management systems
  - Energy management system

### PC18. Report and take corrective action in response to typical faults and inconsistencies

16. How can causes of nonconformity be eliminated and corrective action to be taken for the fault category of machineries during production?
- Implement error proofing method**
  - Replace parts with wear and tear
  - Production line stoppage.
  - Reduce production capacity.

### PC19. Support in calibrating the testing equipment periodically as per the SOP

17. As per which of the following is calibration of test equipment supposed to be carried out?
- Master maintenance plan
  - Supplier check sheet
  - Supervisory guidelines
  - Standard operating procedure**

### PC20. Verify the equipment accuracy by performing dry runs

### PC21. Respond to emergency calls for system and equipment failure

18. What is the first step followed in response to an emergency call for a system failure?
- Shut down of power supplies immediately**
  - Shut down the equipment
  - Turn on the generator sets immediately
  - Switch off the generator sets immediately

## Material disposal

### PC22. Carry out disposal of waste and left over tested material safely as per the SOP

19. What is the correct method for the disposal of hazardous waste materials to the scrap yard?
- Following instructions from the operator
  - Following standard operating procedure**
  - Following TPM system
  - Following supervisory guidelines

### PC23. Dispose all materials used in the experiment safely as per health and safety management system of the company

20. What guidelines should be followed for the disposal of expired materials to prevent pollution and risk of hazards?

- a. **Follow material safety data sheet**
- b. Follow material formulation
- c. Follow material function
- d. Follow material ingredients

## **2. LFS/N0237: Comply with maintenance schedules and ensure smooth flow of work**

### **Maintenance Schedules**

#### **PC1. Judge the material requirements for carrying maintenance**

21. Which among the following types of maintenance activity is followed in industries?
- a. Startup maintenance
  - b. **Preventive maintenance**
  - c. Schedule maintenance
  - d. Production maintenance

#### **PC2. Follow the defined schedule for routine maintenance in coordination with the relevant stakeholders (including preventive maintenance) activities such that work is not hindered**

22. Who should be informed about planned routine maintenance activities such that production activities are not hindered?
- a. Machine operators
  - b. Maintenance manager
  - c. Customer representative
  - d. **Production supervisor**

#### **PC3. Display the appropriate signage for the work being conducted**

23. What should be displayed during maintenance activity of machines in the shop floor?
- a. **Appropriate signage**
  - b. Exit board
  - c. Display board
  - d. Warning symbols

#### **PC4. Report on time and proactively inform the supervisor about absence/ vacation plans**

24. What is the main reason to keep the concerned supervisor informed of any planned leave?
- a. **Avoids disturbances to the work schedule**
  - b. Avoids loss of salary
  - c. Helps co-workers to make alternative plans
  - d. Controls non-availability of personnel

## **Operations**

#### **PC5. Maintain the heat exchangers in a clean state**

25. What is the effect on the output of heat exchangers if it is not maintained in a clean state?
- a. Improved performance efficiency
  - b. **Reduced performance efficiency**
  - c. Decreased aesthetic level
  - d. Decrease in debris level

#### **PC6. Ensure that there is no oily substance on the floor to avoid slippage**

26. What is best used to clean oil spillage from the shop floor?
- a. **Saw dust and sweeping**
  - b. Water and sweeping
  - c. Sand and sweeping
  - d. Wet mop and sweeping

**PC7. Ensure that, on completion of the work, the area is left clean and dry and meets requirements**

27. What helps to ensure that the area is safe for work on completion of the maintenance work?
- a. Follow the maintenance procedures
  - b. Follow housekeeping disposal procedures
  - c. Follow standard checklist documents
  - d. **Follow the 5S practice of TPM**

**PC8. Ensure that no scrap material is lying around**

28. Why is it important to identify and discard scrap material immediately from the shop floor?
- a. **Avoids mix up with good parts**
  - b. Increases the in-stock material
  - c. Avoids increase in product cost
  - d. Decreases issues with quality

**PC9. Ensure that the equipment, materials and personal protective equipment that were used are returned to the right places making sure they are clean, safe and securely stored**

29. How should tools and equipment be maintained after the completion of machine maintenance?
- a. **Clean, dry and in their rightful place**
  - b. As per the production check sheet
  - c. Leave it for the next shift work
  - d. Kept in the tool box

**PC10. Ensure that there is adequate ventilation for the work being carried out**

30. How is the regulation for adequate ventilation best covered in the work place?
- a. **Provide means for sufficient fresh air**
  - b. Increase the number of doors
  - c. Include air conditioning
  - d. Increasing lighting