



## **LFS/Q0213 Set 1 Fitter Mechanical Final Assessment**

### **1. LFS/ N 0260 Perform fitting and assembly operations on metal components**

#### **Working safely**

**PC1. Comply with health and safety, environmental and other relevant regulations and guidelines at work**

**PC2. Adhere to procedures and guidelines for personal protective equipment (PPE) and other relevant safety regulations while performing broaching operations**

1. How does a machine fitter comply with health and safety regulations and guidelines at work?
  - a. **Follow operation control procedures**
  - b. Follow quality management systems
  - c. Follow supervisory guidelines
  - d. Follow instructions from subordinates

#### **Performing general fitting operations**

**PC15. Cut and shape the materials to the required specification, using appropriate tools and techniques**

2. Which of the following tool is used to cut and shape the materials to the required specification while performing fitting operation?
  - a. Knives and motors
  - b. **Hacksaw and files**
  - c. Turning and grinding
  - d. Milling and lapping

#### **Performing assembling operations**

**PC 18. Use appropriate methods and techniques to assemble and secure the components and sub-assemblies in their correct positions**

3. Which of the following mechanical fastening method and technique is used while performing assembly operations?
  - a. Welding
  - b. Brazing
  - c. Soldering
  - d. **Bolt and nut**

**PC21. Produce mechanical assemblies as per job**

4. Which of the following type of document need to be referred before performing assembly as per required specification?
  - a. Purchase order
  - b. Inspection sheet
  - c. Control chart
  - d. **Drawings**

**PC26. Perform the necessary checks for dimensional accuracy**

**PC28. Produce components within all of the applying standards**

5. Which instrument is used to measure the outer diameter of components?
  - a. Inside micrometer
  - b. **Outside micrometer**
  - c. Outer micrometer
  - d. Inside caliper

## Working Safely

**PC1. Comply with health and safety, environmental and other relevant regulations and guidelines at work**

**PC2. Adhere to procedures and guidelines for personal protective equipment (PPE) and other relevant safety regulations while performing fabrication and fitting operations**

6. Which of the following is an essential part of compliance of the safety regulations and guidelines?
- Formulation card
  - Maintenance manuals
  - Material safety data sheet**
  - Technical data sheet

**PC3. Work following laid down procedures and instructions**

7. How one can adhere to the laid down procedures and instructions for safe working conditions?
- Follow standard operating procedures**
  - Follow quality management procedures
  - Follow administrative procedures
  - Follow sampling procedures

**PC6. Follow all relevant setting up and operating specifications for the products or mechanical equipment being commissioned**

**PC7. Follow the defined procedures and set up the equipment correctly ensuring that all operating parameters are achieved**

8. Which of the following should be the focus of check while commissioning a mechanical equipment?
- Selection of material movement device
  - Selection of correct voltage supply**
  - Selection of raw materials
  - Selection of generators

## Preparing for mechanical maintenance operations

**PC9. Obtain and interpret drawings, specifications, manufacturers' manuals and other documents needed in the maintenance process**

**PC10. Follow the procedure to be adopted to establish the background of the fault and the tools to be used**

9. From the image given, identify the symbol used for compression fitting.



- 1
- 2
- 3**
- 4

**PC14. Apply monitoring or testing procedures to help in the fault diagnosis using a range of test equipment**

10. Which instrument is used to detect temperature in equipment and machines?
- Multi meter
  - Torque tester
  - Vibrometer
  - Thermal indicators**

## Performing mechanical maintenance operations

### PC17. Carry out the maintenance activities in the specified sequence and in an agreed timescale

11. From the given steps, identify the correct sequence of maintenance activity for a machine?

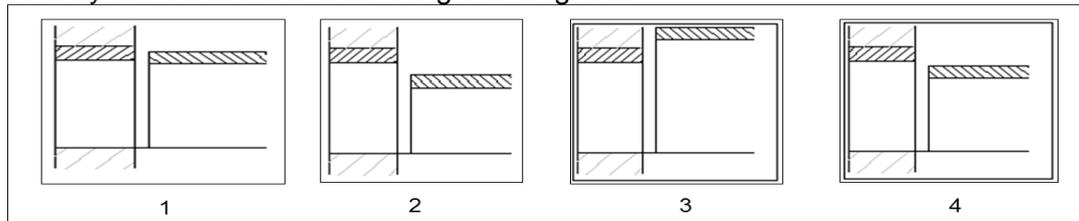
Re-assemble 1	Dismantle 2	Repair 3	Hand-over 4
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- a. 2, 1, 4, 3
- b. 2, 4, 1, 3
- c. **2, 3, 1, 4**
- d. 2, 4, 3, 1

### PC20. Re-assemble the components using appropriate methods, and adjust them to meet the operating specification

### PC21. Carry out servicing and maintenance techniques as applicable

12. Identify the transition fit from the given diagram.



- a. **1**
- b. 2
- c. 3
- d. 4

### PC28. Deal with equipment malfunction and rectify faults during the breakdown servicing process as appropriate

13. Which one of the following falls under the breakdown category?
- a. Power failure
  - b. **Preventive maintenance**
  - c. Raw material shortage
  - d. Defects in raw material

## 2. LFS/N0204 Coordinate with Shift Supervisor, cross functional teams and within the team

### Interact with Immediate Supervisor

#### PC1. Understand the work output requirements

14. According to what should preparing, reviewing, approving and distributing instructions for the production of intermediates or APIs adhere to? **Hint:** intermediate means n - 1 product
- a. **Established and written procedure**
  - b. Production manual
  - c. Quality manual
  - d. Batch production record

#### PC2. Understand the quality standards to be maintained

15. What should be followed when performing activities such as fabrication, packaging/labeling, testing, distribution, importation and/or wholesaling?
- a. **Standard established procedures**
  - b. Factory managers requirement
  - c. State government laws
  - d. Central government laws

### **PC3. Proactively inform supervisor on issues requiring intervention**

16. How soon should issues requiring supervisor intervention be brought to their notice?
- Immediately**
  - On completion of the batch
  - During weekly meetings
  - At the end of the shift

### **PC4. Comply with company policy and rule**

17. What should be followed by personnel requiring more than 3 days leave?
- Pre-approval from immediate supervisor**
  - Take leaves first and apply for it later
  - Inform immediate supervisor on first day of leave
  - Inform the production manager over phone

### **Interact with colleagues within the team**

#### **PC5. Deliver quality work on time and report any anticipated reasons for delays**

18. When should equipment, measuring devices and balances used in the manufacturing process be checked for calibration period validity?
- Before the start of any batch**
  - After completion of the batch
  - If there are complaints of quality
  - when the batch is in progress

#### **PC6. Be able to resolve conflicts**

19. Why is it important to establish effective working relationships with different team members?
- To deliver planned work and achieve team goal**
  - Getting personal favours becomes easy
  - Easy to identify if required materials are delayed
  - To become a successful team leader

### **Interact with colleagues from cross functional teams**

#### **PC7. Multi-task relevant activities to align with team goals**

20. Why is it necessary to coordinate with stores to receive and verify material before the start of a batch?
- Ensures batch start is as per schedule since material verifying is time consuming**
  - To store the material as per the respective storage condition and quantity
  - To guarantee that the machines can handle the given quantity
  - Enables material to be arranged as per requirement

#### **PC8. Put team over individual goals**

21. Why should team members discuss with each other when there is an interpersonal problem?
- To try and solve it**
  - To assure each group of support
  - To display unity to the management
  - To create a sense of friendship within the team

## **3. LFS/N0101 Maintain a healthy, safe and secure working environment in the life sciences facility**

### **Ensuring healthy, safe and secure working environment**

#### **PC1. Observe and comply with the company's current health, safety and security policies and procedures**

22. Who should manufacturers engage to establish, document and implement an effective system for managing quality?
- Management and appropriate manufacturing personnel**
  - Managing director of the firm and the factory manager
  - Trade union members and facility department
  - Security in-charge and their downline

**PC2. While carrying out work, use appropriate safety gears like head gear, masks, gloves and other accessories as mentioned in the guidelines**

23. What type of safety gear should be used while working on the production floor?
- Head gear, masks and gloves
  - Any safety gear which will protect the person
  - Appropriate safety gears as per the guidelines**
  - Use bunny suit and shoes

**PC3. Report any identified breaches in health, safety, and security policies and procedures to the designated person**

24. Who should be notified if a deviation or a breach in health, safety, and security policies is noticed?
- Immediate supervisor**
  - Do not bring to anybody's notice
  - Carryout the issue as it is
  - Production manager, whenever he meets you

**PC4. Responsible for maintaining discipline at the shop-floor/ production area**

25. Why should activities such as smoking, eating, drinking, chewing and the storage of food be restricted to certain designated areas?
- To minimize health, safety and security incidents**
  - To enable staff with similar activities to meet each other
  - To keep production area clean and tidy
  - To reduce work for the housekeep department

**PC5. Identify and correct any hazards that the individual can deal with safely, competently and within the limits of their authority**

26. What is expected from an individual if a hazard is observed on a machine during the manufacturing process?
- Deal with it as per the limits of the job requirement**
  - If it is an emergency, deal with it and continue work
  - Deal with it on the basis of previous experience
  - Use another machine to complete the work

**PC6. Adhere and comply to storage and handling guidelines for hazardous material**

27. What is the criterion to store all hazardous materials handled in the production area?
- Separately at all times**
  - Along with other materials
  - Wherever space is available
  - In a closed secure environment

**PC7. Identify and recommend opportunities for improving health, safety, and security to the designated person**

28. What is best done to encourage staff to identify and recommend opportunities for improving the health, safety, and security standards of the company?
- Provide multiple levels of training and conduct activities**
  - Supply brochures with the company's dos and don'ts
  - Reward them with incentives on a monthly basis
  - Arrange weekly staff awareness meetings

**PC8. Complete any health, safety and security activities like safety drills and prepare records legibly and accurately**

29. Why is it necessary to train all employee on onsite emergency plan?
- To equip them role specific dos and don'ts**
  - To safeguard company premises
  - To safeguard company assets
  - To ensure the use of extinguishers

### **Managing emergency procedures**

**PC9. Report any hazards that the individual is not competent to deal with to the relevant person in line with organizational procedures and warn other people who may be affected**

30. What is best done if a **minor** electrical fire is noticed by an employee on the shop floor?
- a. **Use the right extinguisher meant for the purpose to put out the fire**
  - b. Alert others on the shop floor and get out of the building quickly
  - c. Use water from the nearest source to douse the fire
  - d. Call the fire department to handle the emergency