Task 2 – Perform the service and maintenance activities

You must:

a) prepare the work area for the maintenance and servicing activities

b) perform the annual service and maintenance activities in accordance with the method statement and planning documents produced in Task 1. This should include:
- decommissioning and inspection of the system
- disassembly and reassembly of the system
- diagnosing and recording faults within the system, including carrying out appropriate tests
- repairing the faults and replacing components and consumables as required
- safely using the appropriate tools and equipment
- recommissioning of the system
- re-instating the work area

c) record the service and maintenance activities, to include:
- test record sheets
- updating the manufacturer's maintenance record and control documents
- annotated method statement, including any recommendations for further investigation if required.

Conditions of assessment:

- the time allocated for this task is **11 hours**
- you must carry out the task on your own, under **controlled conditions** while being observed
- you will be given copies of your completed documentation from Task 1.

Controlled conditions:

- you must only work on your tasks in the allocated times
- assessment evidence must be handed in at the end of each session for secure storage which cannot be accessed
- all practical work areas and any evidenced produced must be kept secure and only accessible by the assessor
- you must not share or discuss your work with other candidates
- you are not permitted to bring any materials into the assessment session.

What must be produced for marking:

- completed test record sheets
- updated manufacturer's maintenance record and control documents
- annotated method statement, including any recommendations for further investigation if required.

Additional evidence for this task:

- assessor observations of the work area preparation
- assessor observations of the service and maintenance activities.

To support the comments made within the Practical Observation the assessor must capture the following photographs that must be submitted as supporting evidence for each candidate.

Photographic evidence which shows:

- the prepared work area
- the full milling machine prior to any work being carried out to show condition
- the milling machine disassembled
- the working area
- the sub-assemblies after repairs have been completed
- the full milling machine after the maintenance and service has been completed
- the re-instated work area.

Resources:

- copies of completed planning documentation from Task 1
- relevant sources of information (digital or hard copy)
- an appropriate milling machine and electrical supply to suit the needs of the system
- working area
- a range of replacement parts, materials and consumables
- a range of relevant tools and equipment for maintenance and repair
- a range of appropriate measurement, fault diagnosis, test and calibration equipment
- appropriate ICT equipment and software.

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