

ENGINEERING DEPARTMENT

CANDIDATE RECORD 23.3 Selection and rating of protective devices

EAL First Certificate

Level 2

ELECTRICAL INSTALLATION METHODS, WIRING & CIRCUIT PROTECTION

Engineering Technology NETI/23

#### CANDIDATES NAME \_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Group\_\_\_\_



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| Task 23.3a Selection of protective devices |
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|  |
| Circuit and KW rating | Rating (Current)  | MCB size  |
| **1. Shower (8.4KW)**  |  |  |
| **2. Immersion Heater (3KW)**  |  |  |
| **3. Ring final circuit one with Total load (5.2KW)**  |  |  |
| **4. Ring final circuit two with a Total load (3.15KW)**  |  |  |
| **5. Lighting Circuit one with 8 x 100W lamps**  |  |  |
| **6. Lighting Circuit two with 8 x 60W lamps**  |  |  |

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| Task 23.3b rating of protective devices |
| **Load** | **Current demand** | **Protection/MCB Rating from 6A, 16A, 32A,45A.** |
| 960Watts |  |  |
| 875 Watts |  |  |
| 3.62 Kilowatts |  |  |
| 7.0 Kilowatts |  |  |
| 6.4 Kilowatts |  |  |
| 8.3 Kilowatts |  |  |

