

Please read the instructions printed at the end of this form. **One** of these sheets, suitably completed, should be attached to the assessed work of **each** candidate.

|                       |  |                  |             |                |            |                         |          |          |  |  |
|-----------------------|--|------------------|-------------|----------------|------------|-------------------------|----------|----------|--|--|
| <b>Unit Title</b>     | <b>Maintaining engineering systems</b> | <b>Unit Code</b> | <b>F560</b> | <b>Session</b> | Jan / June | <b>Year</b>             | <b>2</b> | <b>0</b> |  |  |
| <b>Centre Name</b>    |  |                  |             |                |            | <b>Centre Number</b>    |          |          |  |  |
| <b>Candidate Name</b> |  |                  |             |                |            | <b>Candidate Number</b> |          |          |  |  |

| Marking Criteria – total marks for this unit is 30 |  |  |   |  |  | Teacher Comment | Page |
|--|--|--|---|--|--|-----------------|------|
| Ref  | Band 1   | Band 2   | Band 3  |  |  | Mark            |      |
| 1.1<br>1.2<br>1.3<br>1.4                           | Collects data and applies some basic statistical methods seeking guidance where necessary,<br><br>analyses a range of data, produces a basic maintenance strategy<br><br>Undertake a maintenance activity<br><br>[0 1 2 3 4] | Selects, collects and structures a limited range of data and applies statistical methods,<br><br>analyses a range of data and draws justified conclusions to determine a maintenance strategy<br><br>Undertake a maintenance activity<br><br>[5 6 7 8] | Independently selects, collects and structures complex data and accurately applies statistical methods,<br><br>analyses a wide range of complex data and draws justified conclusions<br>Produce a detailed maintenance strategy<br><br>Undertake a maintenance activity<br><br>[9 10 11 12] |  |  |                 |      |
| 2.1<br>2.2   | Identifies some types of system failure and suggest some methods of predicting system failure modes<br><br>[0 1 2]   | Evaluate various types of system failure and details some methods of predicting system failure modes<br><br>[3 4]  | Explains, evaluates, selects and justifies a range of methods for predicting the failure modes of a complex system<br><br>[5 6]   |  |  |                 |      |
| 3.1  | Evaluate the correlation between maintenance plans and the operational effects<br><br>[0 1 2]  | Evaluate the correlation between maintenance plans and the operational and strategic effects<br><br>[3 4]  | Evaluate the correlation between maintenance plans and the operational and strategic effects and justify the selection of the most appropriate plan<br><br>[5 6]  |  |  |                 |      |

