VCE Systems Engineering: Performance Descriptors

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| **SYSTEMS ENGINEERING**  **SCHOOL-ASSESSED COURSEWORK** | | | | | |
| **Performance Descriptors** | | | | | |
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| ***Unit 3***  ***Outcome 2***  Discuss the advantages and disadvantages of renewable and non-renewable energy sources, and analyse and evaluate the technology used to harness, generate and store non-renewable and renewable energy. | **DESCRIPTOR: typical performance in each range** | | | | |
| **Very low** | **Low** | **Medium** | **High** | **Very high** |
| Very limited discussion of the advantages of renewable and non-renewable energy sources. | Limited discussion of the advantages of renewable and non-renewable energy sources. | Adequate discussion of the advantages of renewable and non-renewable energy sources. | Detailed discussion of the advantages of renewable and non-renewable energy sources. | Extensive discussion of the advantages of renewable and non-renewable energy sources. |
| Very limited discussion of the disadvantages of renewable and non-renewable energy sources. | Limited discussion of the disadvantages of renewable and non-renewable energy sources. | Adequate discussion of the disadvantages of renewable and non-renewable energy sources. | Detailed discussion of the disadvantages of renewable and non-renewable energy sources. | Extensive discussion of the disadvantages of renewable and non-renewable energy sources |
| Very limited cradle-to-cradle analysis. | Limited cradle-to-cradle analysis. | Satisfactory cradle-to-cradle analysis. | Detailed cradle-to-cradle analysis. | Extensive cradle-to-cradle analysis. |
| Very limited analysis and evaluation of the technology used to harness, generate and store non-renewable and renewable energy. | Limited analysis and evaluation of the technology used to harness, generate and store non-renewable and renewable energy. | Some analysis and evaluation of the technology used to harness, generate and store non-renewable and renewable energy. | Detailed analysis and evaluation the technology used to harness, generate and store non-renewable and renewable energy. | Comprehensive analysis and evaluation the technology used to harness, generate and store non-renewable and renewable energy. |

KEY to marking scale based on the Outcome contributing 50 marks

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| Very Low 1–10 | Low 11–20 | Medium 21–30 | High 31–40 | Very High 41–50 |