

## **GENERAL EDUCATION AND TRAINING CERTIFICATE**

## **NQF LEVEL 1**

## **AET LEVEL 4 SITE-BASED ASSESSMENT**

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| **LEARNING AREA** | **:** | **MATHEMATICS AND MATHEMATICAL SCIENCES** |
| **CODE** | **:** | **MMSC4** |
| **TOOL** | **:** | **TEST** |
| **TIME** | **:** | **2 HOURS** |
| **MARKS** | **:** | **50** |

**This assessment tool consists of 4 pages.**

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| **INSTRUCTIONS AND INFORMATION FOR THE TEACHER.** |  |  |

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| 1. | MARKING KEY  A = Accuracy  M = Method  CAConsistent Accuracy |  |  |

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| **QUESTION 1** |  | **[15]** |

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| --- | --- | --- | --- | --- |
| 1.1 | 1.1.1 |  | Each correct term | (2) |

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|  | 1.1.2 | Subtracting 3 from the previous term to get the next term | Correct statement | (2) |

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|  | 1.1.3 | Seventh term | Correct answer | (1) |

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|  | 1.1.4 |  | Correct answer | (2) |

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|  | 1.1.5 | term is | Substitution  Simplification  Correct answer | (3) |

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|  | 1.1.6 |  | Correct substitution  Transposing 17  Correct sign of  Value of 205  Correct answer | (5) |

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| **QUESTION 2** |  |  |

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| 2.1 |  | ) | Each correct term | (3) |

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| 2.2 |  |  | Correct factors  Each Correct difference of squares | (3) |

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| 2.3 |  | Transposing of terms  Correct answer | (3) |

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| 2.4 | CA  CA | Transposing of terms  Correct equality  Correct direction of the line number and open point(excluded) | (4) |

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| **QUESTION 3** |  |  |

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|  | 3.1.1 |  | Correct substitution  Squaring the height  Correct answer | (3) |

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|  | 3.1.2 | She is obese/ very overweight | Correct answer | (1) |

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|  | 3.1.3 |  | Correct substitution  Correct manipulation  Correct answer | (3) |

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|  | 3.1.4 | Drink a lot of water  Exercise  Eat healthy  Go for medical check up | Any TWO | (2) |

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|  | 3.2.1 | For intercept: let  For intercept: let | Correct value  Correct intercept | (2) |

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|  |  | Drawing and labelling the Cartesian plane  Plotting of -intercept  Plotting of -intercept  Draw the straight line | (4) |

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| **QUESTION 4** |  |  |

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|  | 4.1.1 | SIGN A: Octagon  SIGN B: Triangle | Correct name  Correct name | (2) |

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|  | 4.1.2 |  | Substitution  Correct answer | (2) |

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|  | 4.1.3 | 4 | Correct number | (1) |

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|  | **TOTAL:** |  | **50** |