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| Name |  |
| ZigZag Education supporting  AS AQA Computer Science Paper 1  Summer 2016:  Electronic Answer Document (EAD)  **Instructions**   * Enter your name in the box at the top of this page * Answer **all** questions by entering your answers into this document * Remember to **save** this document regularly * Save and print this document and any additional pages * Answer **all** questions * The marks available for each question are shown in brackets * You will need:   □ access to a computer  □ access to a printer  □ access to appropriate software  □ electronic copies of the required skeleton code  □ EAD (Electronic Answer Document)  Total marks: | |
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| Programming Theory Questions  Answer all questions.  Remember to save this document regularly. |

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| **Q** | **Answer** | | *Mark  (leave blank)* |
| 1 | (a) | Board |  |
| (b) | PlaceShip |  |
| (c) | MenuOption |  |
| (d) | ValidateBoatPosition |  |
| (e) | GameWon |  |
| 2 | To Check Which Direction In The 3d List It Is Going | |  |
| 3 | Name And Length | |  |
| 4 | So The Player Keeps Playing Till They Win | |  |
| 5 | MenuOption | |  |
| 6 | It Places The Ship In The Correct Coordinates And Orentation In The 3d List | |  |
| 7 | (a) | 2d Array With Coordinates And Places Parts Of Ship Based On Length And Orentation |  |
| (b) | Using Letters H And M |  |
| 8 | (a) | CheckWin |  |
| (b) | GetRowColumn |  |
| (c) | Orientation |  |
| (d) | Ships |  |
| (e) | random |  |
| 9 | (a) | PrintBoard |  |
| (b) | Array Is More Flexible To Work With |  |
| 10 | They Are Exclusive To The Subroutine They Are In | |  |
| 11 | Definite And Indefinite Iteration | |  |
| 12 | Procedure Is A Function That Does The Same Thing Every Time, Whereas A Function Changes | |  |
| 13 | It Opens The File With The Selected Filename With Read | |  |
| 14 | Goes Through Each Line Of The File And Sets It To The List | |  |
| 15 | (a) | It Would Crash |  |
| (b) | You Could Use A Try Except Statement |  |

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| Programming Exercises  Answer all questions.  Remember to save this document regularly. |

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| **Q** | **Answer** | *Mark  (leave blank)* |
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