Q1. Write the following to the required number of Significant Figures given in the bracket.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (a) 404 ( 1 ) | | | | (b) 6572 ( 2 ) | | | | | (c) 0.529841 ( 4 ) | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (d) 3399 ( 3 ) | | | | (e) 8494 ( 2 ) | | | | | (f) 0.438031 ( 2 ) | | | | | |

6 marks

Q2. By rounding each number to 1 significant figure calculate the following.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (a) 289 x 77 | | | | | (b) 8334 ÷ 121 | | | | |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| (c) 678 x 820 | | | | | (d) 3893 ÷ 151 | | | | |

8 marks

Q3. Calculate the following.

|  |  |
| --- | --- |
| (a) 11v + (-49v) | (b) (-25g) - 48g |

|  |  |
| --- | --- |
| (c) (-7) x (-37) | (d) (-4)2 |

|  |  |
| --- | --- |
| (e) 75 ÷ (-15) | (f) (-80) ÷ (-5) |

6 marks

Q4. Calculate the following.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (a) |  | 22 + ( 4 x 5 ) - 39 | | | | | (b) |  | 24 ÷ 4( 9 - 6 ) | | | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (c) |  | 2( 19 - 12 )² + 6 | | | | | (d) |  | 36 + a half of 92 - 26 | | | | | |

8 marks

Total 28 marks