SAINT JOHN'S ACADEMY, ALLAHABAD

CLASS …….. SEC……. WINTER VACATION HOMEWORK 2014 – 2015

**ABACUS** LEVEL 1

NAME : \_ \_ \_ \_\_ \_ \_ \_ \_ \_ \_ \_ \_\_ \_ \_ \_ \_ \_ \_ \_ \_\_ \_ \_ \_ ADM.CODE\_ \_ \_ \_ \_\_ \_ \_ ROLL NO.\_ \_\_ \_

 **[TO BE DONE ON THE SHEET ONLY]**

**1) Write the Small Friend formula :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| + 3 =  |  |  | – 3 = |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| + 1 =  |  |  | – 4 = |  |

|  |  |
| --- | --- |
| + 2 =  |  |

**2) Mental calculation :**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| – | 8 |  | 6 |  |  | 4 |  |  | 8 |  |  | 2 |
| – | 5 | – | 5 |  |  | 5 |  | – | 7 |  |  | 6 |
|  | 1 |  | 3 |  | – | 1 |  |  | 6 |  | – | 3 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 4 |  | 8 |  |  | 2 |  |  | 9 |  |  | 6 |
| – | 3 |  | 1 |  | – | 1 |  | – | 4 |  |  | 3 |
|  | 7 | – | 6 |  |  | 6 |  |  | 2 |  | – | 5 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

**3) Abacus calculation :**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 3 |  | 7 |  |  | 7 |  |  | 9 |  |  | 7 |
| – | 1 | – | 1 |  | – | 3 |  |  | 9 |  |  | 9 |
|  | 4 | – | 4 |  |  | 5 |  | – | 2 |  |  | 3 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8 |  | 3 |  |  | 8 |  |  | 5 |  |  | 7 |
| – | 4 |  | 8 |  | – | 6 |  | – | 1 |  |  | 8 |
|  | 8 |  | 9 |  |  | 9 |  |  | 7 |  | – | 4 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

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**[PAGE 2]**

**4) Complete the friends with the signs :**

|  |  |  |
| --- | --- | --- |
| – | 7 |  |
| – | 8 |  |
| + | 2 |  |
| – | 3 |  |
| – | 4 |  |
| – | 9 |  |
| + | 6 |  |
| – | 5 |  |
| + | 5 |  |
| + | 1 |  |

\*-\*-end-\*-\*

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**ABACUS** LEVEL 2

NAME : \_ \_ \_ \_\_ \_ \_ \_ \_ \_ \_ \_ \_\_ \_ \_ \_ \_ \_ \_ \_ \_\_ \_ \_ \_ ADM.CODE\_ \_ \_ \_ \_\_ \_ \_ ROLL NO.\_ \_\_ \_

 **[TO BE DONE ON THE SHEET ONLY]**

**1) Complete the formulas :**

 – 3 = \_\_\_\_\_ – 5 + 4 = – 6 \_\_\_\_\_

 + 9 = \_\_\_\_ – 5 \_\_\_\_\_\_ – 9 = \_\_\_\_\_ + 5 \_\_\_\_\_\_

 + 2 = + 5 \_\_\_\_\_\_\_ – 5 = \_\_\_\_\_ + 5

 + 8 = \_\_\_\_\_\_ + 10 – 6 = – 10 \_\_\_\_\_ \_\_\_\_\_

 + 6 = \_\_\_\_\_\_ + 10 – 6 = \_\_\_\_\_\_\_\_ + 4

**2) Mental calculation :**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 6 |  | 9 |  |  | 4 |  |  | 7 |  |  | 8 |
|  | 3 | – | 7 |  |  | 3 |  |  | 1 |  | – | 4 |
| – | 7 |  | 3 |  | – | 1 |  | – | 4 |  |  | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2 |  | 8 |  |  | 8 |  |  | 2 |  |  | 5 |
|  | 4 | – | 4 |  | – | 4 |  |  | 5 |  |  | 2 |
|  | 3 |  | 3 |  | – | 3 |  | – | 4 |  | – | 7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

**3) Abacus calculation :**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 4 | 5 |  | 4 | 8 |  |  | 8 | 3 |  |  | 3 | 2 |  |  | 2 | 3 |
| – | 3 | 5 | – | 2 | 2 |  | – | 6 | 1 |  |  | 4 | 1 |  |  | – | 6 |
|  | 5 | 5 |  | 5 | 3 |  |  | 7 | 7 |  |  | 2 | 4 |  |  |  | 9 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 |  | 2 | 4 |  |  | 1 | 3 |  |  | 2 | 2 |  |  | 2 | 6 |
|  |  | 9 |  | – | 9 |  |  |  | 8 |  |  | – | 6 |  |  |  | 7 |
|  | – | 6 |  | – | 1 |  |  | – | 6 |  |  |  | 5 |  |  | – | 8 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\*-\*-END-\*-\*-

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**ABACUS** LEVEL 3

NAME : \_ \_ \_ \_\_ \_ \_ \_ \_ \_ \_ \_ \_\_ \_ \_ \_ \_ \_ \_ \_ \_\_ \_ \_ \_ ADM.CODE\_ \_ \_ \_ \_\_ \_ \_ ROLL NO.\_ \_\_ \_

 **[TO BE DONE ON THE SHEET ONLY]**

**1) Multiplication :**

 0 X 5 = \_ \_ \_ \_ \_\_ \_ 2 X 3 = \_ \_ \_ \_ \_\_ \_

 1 X 5 = \_ \_ \_ \_ \_\_ \_ 4 X 5 = \_ \_ \_ \_ \_\_ \_

 4 X 2 = \_ \_ \_ \_ \_\_ \_ 1 X 2 = \_ \_ \_ \_ \_\_ \_

 6 X 5 = \_ \_ \_ \_ \_\_ \_ 0 X 4 = \_ \_ \_ \_ \_\_ \_

 3 X 3 = \_ \_ \_ \_ \_\_ \_ 7 X 2 = \_ \_ \_ \_ \_\_ \_

**2) Mental calculation :**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 5 | 4 |  | 6 | 5 |  |  | 1 | 4 |  |  | 2 | 3 |  |  | 7 | 6 |
|  |  | 1 |  | – | 2 |  |  |  | 1 |  |  | – | 7 |  |  | – | 4 |
|  |  | 9 |  |  | 7 |  |  |  | 8 |  |  |  | 6 |  |  |  | 9 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 |  | 8 | 9 |  |  | 3 | 0 |  |  |  | 5 |  |  | 2 | 3 |
|  |  | 6 |  | – | 4 |  |  |  | 7 |  |  | – | 2 |  |  |  | 6 |
|  |  | 1 |  | – | 7 |  |  |  | 3 |  |  | 7 | 4 |  |  |  | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**3) Abacus calculation :**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 4 | 8 | 3 |  | 1 | 9 | 7 |  |  | 6 | 4 | 2 |  |  | 7 | 4 | 8 |  |  | 1 | 7 | 4 |
|  | 2 | 6 | 5 |  | 6 | 5 | 4 |  |  | 7 | 5 | 6 |  |  | 6 | 9 | 2 |  |  | 4 | 9 | 2 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 9 | 3 | 8 |  | 3 | 1 | 9 |  |  | 6 | 8 | 1 |  |  | 4 | 7 | 4 |  |  | 2 | 5 | 9 |
|  | 4 | 2 | 5 |  | 2 | 5 | 2 |  |  | 2 | 7 | 8 |  |  | 4 | 0 | 5 |  |  | 4 | 8 | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\*-\*-\*end-\*-\*

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**ABACUS** LEVEL 4

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 **[TO BE DONE ON THE SHEET ONLY]**

**1) Abacus calculation :**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2 | 4 | 9 |  | 7 | 5 | 6 |  |  | 3 | 8 | 6 |  |  | 9 | 0 | 5 |  |  | 2 | 8 | 0 |
|  | + | 5 | 5 |  | – | 2 | 2 |  |  | + | 7 | 7 |  |  | – | 4 | 5 |  |  | + | 5 | 0 |
|  | + | 5 | 5 |  | – | 2 | 2 |  |  | + | 7 | 7 |  |  | – | 4 | 5 |  |  | + | 5 | 0 |
|  | + | 5 | 5 |  | – | 2 | 2 |  |  | + | 7 | 7 |  |  | – | 4 | 5 |  |  | + | 5 | 0 |
|  | + | 5 | 5 |  | – | 2 | 2 |  |  | + | 7 | 7 |  |  | – | 4 | 5 |  |  | + | 5 | 0 |
|  | + | 5 | 5 |  | – | 2 | 2 |  |  | + | 7 | 7 |  |  | – | 4 | 5 |  |  | + | 5 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**2) Mental calculation :**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8 |  | 1 |  |  | 4 |  |  | 3 |  |  | 9 |
|  | 3 |  | 3 |  |  | 1 |  |  | 4 |  |  | 8 |
|  | 6 |  | 8 |  |  | 7 |  |  | 5 |  |  | 4 |
|  | 5 | – | 4 |  |  | 8 |  | – | 7 |  |  | 1 |
|  | 7 |  | 6 |  | – | 9 |  |  | 8 |  |  | 3 |
|  | 1 |  | 2 |  |  | 3 |  | – | 6 |  |  | 2 |
|  | 2 | – | 5 |  |  | 6 |  |  | 9 |  |  | 7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 7 | 2 |  | 3 | 6 |  |  | 2 | 1 |  |  | 3 | 0 |  |  | 8 | 7 |
| – | 4 | 1 | – | 1 | 3 |  |  | 7 | 4 |  |  | 4 | 8 |  | – | 4 | 3 |
|  | 2 | 8 |  | 4 | 5 |  | – | 8 | 3 |  |  | 3 | 7 |  |  | 1 | 5 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**3) Multiplication :**

 27 X 6 = \_ \_ \_ \_ \_\_ \_ 79 X 2 = \_ \_ \_ \_ \_\_ \_

 58 X 3 = \_ \_ \_ \_ \_\_ \_ 61 X 8 = \_ \_ \_ \_ \_\_ \_

 53 X 8 = \_ \_ \_ \_ \_\_ \_ 76 X 9 = \_ \_ \_ \_ \_\_ \_

 75 X 9 = \_ \_ \_ \_ \_\_ \_ 84 X 7 = \_ \_ \_ \_ \_\_ \_

 19 X 3 = \_ \_ \_ \_ \_\_ \_ 37 X 9 = \_ \_ \_ \_ \_\_ \_

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