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| **Roll No.** | **Problems** |
| 1 | Signed Magnitude Representation   * (+23) + (-21) * (+12) X (+11) |
| 3 | Signed Magnitude Representation   * (+17) / (-11) * (+8) - (+12) |
| 4 | Signed Two’s Complement Representation   * (+23) + (-21) * (+12) X (+11) |
| 5 | Signed Two’s Complement Representation   * (-16) X (+11) * (+11) X(+21) |
| 6 | Signed Two’s Complement Representation   * (-17) X (+16) * (+2) X (+11) |
| 8 | Signed Magnitude Representation   * (+15) / (-12) * (+12) X (+13) |
| 9 | Signed Magnitude Representation   * (+5) / (-21) * (+2) + (+13) |
| 13 | Signed Magnitude Representation   * (+15) X (-21) * (+12) - (+13) |
| 14 | Signed Magnitude Representation   * (+24) – (-11) * (+21) X (-16) |
| 15 | Signed Magnitude Representation   * (-10) / (+11) * (-10) X (+11) |
| 16 | Signed Magnitude Representation   * (+13) + (-21) * (+9) X (+11) |
| 17 | Signed Magnitude Representation   * (-19) X (+10) * (+15) – (+18) |
| 18 | Signed Magnitude Representation   * (+11) X (-25) * (-11) / ( +5) |
| 20 | Signed Magnitude Representation   * (+28) + (-23) * (-11) X (+21) |
| 21 | Signed Magnitude Representation   * (+13) + (-21) * (+9) X (+11) |
| 22 | Signed Magnitude Representation   * (-9) X (-10) * (+18) – (+23) |
| 24 | Signed Magnitude Representation   * (+28) / (-6) * (+28) + (-6) |
| 25 | Signed Magnitude Representation   * (+17) + (-21) * (+11) / (-7) |
| 26 | Signed Magnitude Representation   * (-19) X (-2) * (-17) / (-4) |
| 27 | Signed Magnitude Representation   * (-15) / (-2) * (-15) – (-4) |
| 29 | Signed Magnitude Representation   * (+23) - (-14) * (+15) / (-10) |
| 30 | Signed Two’s Complement   * (+12) X (-4) * (+23) – (+12) |

Work out the problems given above and submit by **21st April 2014**. Each problem carries 5 (2.5+2.5) marks which will be included in the next test. No requests for extension of last date shall be entertained.