

INDIAN INSTITUTE OF SOFTWARE TECHNOLOGY

Question Cum Answer Paper

SET-B

TEST - 01

Time 1Hr

Marks 50

Name : _____ Class : _____

ABACUS (LEVEL-4)

I. Multiplications (No Complement):

[10 x 1 = 10]

- 1)
$$\begin{array}{r} 22 \times 2 \\ \hline \end{array}$$
- 2)
$$\begin{array}{r} 53 \times 3 \\ \hline \end{array}$$
- 3)
$$\begin{array}{r} 13 \times 3 \\ \hline \end{array}$$
- 4)
$$\begin{array}{r} 35 \times 2 \\ \hline \end{array}$$
- 5)
$$\begin{array}{r} 81 \times 5 \\ \hline \end{array}$$
- 6)
$$\begin{array}{r} 20 \times 7 \\ \hline \end{array}$$
- 7)
$$\begin{array}{r} 63 \times 3 \\ \hline \end{array}$$
- 8)
$$\begin{array}{r} 53 \times 3 \\ \hline \end{array}$$
- 9)
$$\begin{array}{r} 54 \times 2 \\ \hline \end{array}$$
- 10)
$$\begin{array}{r} 74 \times 20 \\ \hline \end{array}$$

II. Additions & Subtraction using 5's Complement:

[5 x 2 = 10]

- 11)
$$\begin{array}{r} 5 \\ -3 \\ -1 \\ +6 \\ -7 \\ +7 \\ -7 \\ +1 \\ +2 \\ -1 \\ \hline \end{array}$$
- 12)
$$\begin{array}{r} 4 \\ +3 \\ -7 \\ +8 \\ -1 \\ +2 \\ -1 \\ -2 \\ +2 \\ -1 \\ \hline \end{array}$$
- 13)
$$\begin{array}{r} 8 \\ -4 \\ -1 \\ -3 \\ +8 \\ -1 \\ -5 \\ -1 \\ +1 \\ +2 \\ \hline \end{array}$$
- 14)
$$\begin{array}{r} 6 \\ -2 \\ +1 \\ +2 \\ +1 \\ -8 \\ +7 \\ -1 \\ -4 \\ +2 \\ \hline \end{array}$$
- 15)
$$\begin{array}{r} 2 \\ +4 \\ +3 \\ -5 \\ -2 \\ +3 \\ -2 \\ -1 \\ +5 \\ -2 \\ \hline \end{array}$$

III. Multiplications (5's Complement)

[10 x 1 = 10]

- 16) 71×3

- 17) 65×5

- 18) 23×7

- 19) 16×6

- 20) 98×4

- 21) 41×4

- 22) 92×6

- 23) 46×4

- 24) 65×3

- 25) 95×4

IV. Additions & Subtraction using 10's Complement:

[5 x 2 = 10]

- 26) $\begin{array}{r} 4 \\ +9 \\ +6 \\ -1 \\ -1 \\ -4 \\ -3 \\ +5 \\ +5 \\ -4 \end{array}$

- 27) $\begin{array}{r} 9 \\ +6 \\ -2 \\ -1 \\ +4 \\ -5 \\ -1 \\ -8 \\ +2 \\ +4 \end{array}$

- 28) $\begin{array}{r} 6 \\ +4 \\ +1 \\ -4 \\ +3 \\ -1 \\ -7 \\ +8 \\ +6 \\ -5 \end{array}$

- 29) $\begin{array}{r} 9 \\ +8 \\ -7 \\ -7 \\ +2 \\ +4 \\ -4 \\ -1 \\ +2 \\ -2 \end{array}$

- 30) $\begin{array}{r} 3 \\ +7 \\ -1 \\ -3 \\ -5 \\ +8 \\ -6 \\ +2 \\ +3 \\ +1 \end{array}$

V. Multiplications (10's Complement)

[10 x 1 = 10]

- 31) 76×7

- 32) 67×9

- 33) 87×6

- 34) 58×7

- 35) 68×8

- 36) 76×8

- 37) 78×4

- 38) 59×7

- 39) 18×6

- 40) 63×8
