

INDIAN INSTITUTE OF SOFTWARE TECHNOLOGY

Question Cum Answer Paper

SET-B

TEST - 01

Time 1Hr

Marks 50

Name : _____ Class : _____

ABACUS (LEVEL-3)

I. Simple Additions & Subtraction:

[10 x 1 = 10]

- | | | | | |
|--|--|--|--|---|
| 1) $\begin{array}{r} 17 \\ + 32 \\ - 38 \\ \hline \end{array}$ | 2) $\begin{array}{r} 87 \\ + 12 \\ - 64 \\ \hline \end{array}$ | 3) $\begin{array}{r} 84 \\ + 15 \\ - 67 \\ \hline \end{array}$ | 4) $\begin{array}{r} 52 \\ + 35 \\ - 77 \\ \hline \end{array}$ | 5) $\begin{array}{r} 10 \\ + 71 \\ - 61 \\ \hline \end{array}$ |
| 6) $\begin{array}{r} 30 \\ + 50 \\ - 10 \\ + 19 \\ \hline \end{array}$ | 7) $\begin{array}{r} 41 \\ + 50 \\ - 31 \\ + 12 \\ \hline \end{array}$ | 8) $\begin{array}{r} 13 \\ + 81 \\ - 11 \\ + 16 \\ \hline \end{array}$ | 9) $\begin{array}{r} 47 \\ + 51 \\ - 13 \\ + 10 \\ \hline \end{array}$ | 10) $\begin{array}{r} 23 \\ + 25 \\ - 48 \\ + 37 \\ \hline \end{array}$ |

II. Additions & Subtraction using 5's Complement:

[10 x 1 = 10]

- | | | | | |
|---|---|---|---|---|
| 11) $\begin{array}{r} 18 \\ + 41 \\ - 46 \\ \hline \end{array}$ | 12) $\begin{array}{r} 13 \\ + 14 \\ - 22 \\ \hline \end{array}$ | 13) $\begin{array}{r} 70 \\ + 11 \\ - 40 \\ \hline \end{array}$ | 14) $\begin{array}{r} 44 \\ + 34 \\ - 27 \\ \hline \end{array}$ | 15) $\begin{array}{r} 10 \\ + 49 \\ - 52 \\ \hline \end{array}$ |
| 16) $\begin{array}{r} 41 \\ + 38 \\ - 35 \\ \hline \end{array}$ | 17) $\begin{array}{r} 55 \\ + 12 \\ - 37 \\ \hline \end{array}$ | 18) $\begin{array}{r} 33 \\ + 42 \\ - 65 \\ \hline \end{array}$ | 19) $\begin{array}{r} 54 \\ + 43 \\ - 86 \\ \hline \end{array}$ | 20) $\begin{array}{r} 22 \\ + 42 \\ - 33 \\ \hline \end{array}$ |

III. Additions using 10's Complement:**[15 x 1 = 15]**

21)
$$\begin{array}{r} 349 \\ + 799 \\ \hline \end{array}$$

22)
$$\begin{array}{r} 398 \\ + 824 \\ \hline \end{array}$$

23)
$$\begin{array}{r} 378 \\ + 938 \\ \hline \end{array}$$

24)
$$\begin{array}{r} 989 \\ + 295 \\ \hline \end{array}$$

25)
$$\begin{array}{r} 792 \\ + 449 \\ \hline \end{array}$$

26)
$$\begin{array}{r} 834 \\ + 297 \\ \hline \end{array}$$

27)
$$\begin{array}{r} 948 \\ + 883 \\ \hline \end{array}$$

28)
$$\begin{array}{r} 988 \\ + 774 \\ \hline \end{array}$$

29)
$$\begin{array}{r} 678 \\ + 487 \\ \hline \end{array}$$

30)
$$\begin{array}{r} 788 \\ + 373 \\ \hline \end{array}$$

31)
$$\begin{array}{r} 449 \\ + 777 \\ \hline \end{array}$$

32)
$$\begin{array}{r} 842 \\ + 479 \\ \hline \end{array}$$

33)
$$\begin{array}{r} 279 \\ + 847 \\ \hline \end{array}$$

34)
$$\begin{array}{r} 673 \\ + 547 \\ \hline \end{array}$$

35)
$$\begin{array}{r} 959 \\ + 256 \\ \hline \end{array}$$

IV. Subtractions using 10's Complement:**[15 x 1 = 15]**

36)
$$\begin{array}{r} 380 \\ - 172 \\ \hline \end{array}$$

37)
$$\begin{array}{r} 460 \\ - 185 \\ \hline \end{array}$$

38)
$$\begin{array}{r} 266 \\ - 159 \\ \hline \end{array}$$

39)
$$\begin{array}{r} 481 \\ - 227 \\ \hline \end{array}$$

40)
$$\begin{array}{r} 622 \\ - 555 \\ \hline \end{array}$$

41)
$$\begin{array}{r} 970 \\ - 262 \\ \hline \end{array}$$

42)
$$\begin{array}{r} 601 \\ - 514 \\ \hline \end{array}$$

43)
$$\begin{array}{r} 475 \\ - 190 \\ \hline \end{array}$$

44)
$$\begin{array}{r} 941 \\ - 727 \\ \hline \end{array}$$

45)
$$\begin{array}{r} 421 \\ - 119 \\ \hline \end{array}$$

46)
$$\begin{array}{r} 781 \\ - 527 \\ \hline \end{array}$$

47)
$$\begin{array}{r} 829 \\ - 295 \\ \hline \end{array}$$

48)
$$\begin{array}{r} 821 \\ - 133 \\ \hline \end{array}$$

49)
$$\begin{array}{r} 494 \\ - 385 \\ \hline \end{array}$$

50)
$$\begin{array}{r} 848 \\ - 159 \\ \hline \end{array}$$

*** BEST OF LUCK ***