**ASSIGNMENT**

1. **How many bits are needed to represent decimal values ranging from 0 to 1,25,000?**
2. **Write next 3 octal numbers in octal counting sequence 624,625,626.**
3. **What range of decimal value can be represented by 4 digit octal number?**
4. **Write next 3 number Hex counting sequence.E9C, E9D, E9E.**
5. **Why should we study hexadecimal & octal when we have binary?**

**6. Determine value of b**

**i) (292)10 = (1204)b**

**ii) (16)10 = (100)b**

**7. Perform BCD addition : 128+552**

**8. Simplify the following using Boolean equations?**

1. **F=A̅B̅C+A̅BC̅+A̅BC+ABC**
2. **F=A̅C+C̅D+AB+BC**