

D. Answer the following questions.

1. A number system is a set of values used to represent different quantities. Decimal, binary, octal and hexadecimal number systems are different types of number system.
2. To convert a decimal number into binary number, follow the given rules:
 - Divide the given decimal number with the base 2.

- Write down the remainder, divide the quotient again by 2.
 - Repeat step 2 till the quotient becomes zero.
3. The base of the octal number system is 8. Octal number system consists of 0-7 digits.
 4. A computer understands only the binary codes. Therefore, the data that is entered into a computer is converted into its binary equivalent.