Business Mathematics - 11th Class Business Math Chapter 6 Short Questions Preparation

Q1. Convert 19 into binary system.

Ans 1: 19 = $(10011)_2$

Q2. Convert 7/8 to a binary number.

Ans 1: 7/9 = 0.875
0.975 x 2 = 1.75 1 carry
0.79 x 2 = 1.5 1 carry
0.5 x 2 = 1 1 carry
7/8 = $(0.111)_2$

Q3. Write the digit on which decimal number system is based.

Ans 1: The digit on which decimal number system is based are 0,1,2,3,4,5,6,7,8 and 9.In decimal number system,we use ten digits.

Q4. Convert 247 into base 2

Ans 1: 247 = $(11110111)_2$

Q5. Define binary number system shortly.

Ans 1: **Binary Number System:**The number system with base 2 is known as binary number system.

Ans 2: **Importance:**The number system with base 2 is of particular importance due to its application in computer.The binary number "0" suggest to computer "off" and "1" "on".

Ans 3: **Digits Involved:**In binary number system only two digits "0" and "1" involve.

Q6. Convert 82 in binary system.

Ans 1: 82 = $(1010010)_2$

Q7. Convert 23 into binary number system.

Ans 1: 23 = (10111)2

Q8. Write any two basic arithmetic operations.

Ans 1: The basic arithmetic operation are "addition" and "subtraction".

Q9. Evalute 945 in base 2.

Ans 1: $945 = (1110110001)_2$

Q10. Define decimal number system.

Ans 1: The number system with base 10 is called decimal number system.The system of numbers,which we are using is known as decimal number system .In decimal number system,we use ten digits given as follows: 0,1,2,3,4,5,6,7,8 and 9