

# Assignment 1

*Nunsavath Sree Harsha*  
*cs21btech11042*

## QUESTION

**Q3 (a) :** The catalogue price of a computer set is Rs.42000. The shopkeeper gives a discount of 10 on the listed price. He further gives an off-season discount of 5 on the discounted price. However, sales tax at 8 is charged on the remaining price after the two successive discounts. Find: the amount of sales tax a customer has to pay the total price to be paid by the customer for the computer set.

## Solution:

List price of the computer = 42000

Rate of discount = 10

Total discount =  $10/100 * 42000 = 4200$

Discounted price =  $(42000 - 4200) = 37800$

Another off-season discount = 5

Total off-season discount =  $5/100 * 37800 = 1890$

Remaining price after two successive discounts  
= 35910

Total sales tax 8 = 2872.80

Total price of the computer set =  $(35910 + 2872.80)$

= 38782.80

Hence, amount of sales tax is 2872.80 and total price to be paid by the customer for the computer set is 38782.80.