

(C) Mr. Faheem has dinner with his family at a restaurant which offer a 10% discount on food. The marked price of the food that they order was Rs 15000/- Given that there was a Service Charge of 10% and GST is 17%. Calculate the total amount of money he has to pay -

Discount on food = 10%

Marked Price of the food = Rs 15000

Service Charge = 10%

GST = 17%

Total amount of money he has to pay = ?

Total price after discount is

$$\begin{aligned}\text{Discount price} &= \text{List price / Marked Price} \times \text{Discount rate} \\ &= 15000 \times 10\% \\ &= 1500\end{aligned}$$

$\frac{15000 \times 10}{100}$

$$\begin{aligned}\text{Total Price after discount} &= 15000 - 1500 \\ &= 13500\end{aligned}$$

Now Charge 10% on Service Charges.

$$\begin{aligned}&= 13500 \times 10\% \\ &= 1350\end{aligned}$$

$$\frac{13500 \times 10}{100}$$

GST is 17% So,

$$\begin{aligned}&= 13500 \times 17\% \\ &= 2295\end{aligned}$$

$$\begin{array}{r} 13500 \\ \times 17 \\ \hline 94500 \\ 229500 \\ \hline 229500 \end{array}$$

$$\frac{13500 \times 17}{100}$$

$$\begin{aligned}\text{Therefore, the amount the family need to pay} \\ &= 13500 + 1350 + 2295 \\ &= 17145\end{aligned}$$

So, the Rs 17145 is the total amount that the family needs to pay after all taxes and discount.