Value Added Tax

EXERCISE - 1

Solution -01

(i) Amount of task collected by manufacturer A = 10% of 18,000 $= \frac{10}{100} \times 18,000$

= RS. 1800.

Since the trader Bearns a profit of 7750, the Value added by the dealer B = 7750.

.. Amount of VAT Paid by B = 10% of ₹ 750.

As trader c earns a profit of \$ 1900, the value added by the dealer < = \$ 900

... Amount of VAT Paid by c = 10% of 900 = ₹90.

the state Government = \$1,800+275+290
= \$1,965.

(ii) The value of the Machine Paid by the consumer
= ₹ 18,000+ ₹750+ ₹900
= ₹ 19,650.

Tax paid by the consumer for T.V = 104. of 19,650 = ₹1,965.

.. The amount Paid by the consumer = 319,650+

= 7 21,615.

Solution-02.

(i) Amount of tax collected by manufacturer = 8% of 15,000 = \$1,200.

Amount of tax received by the government from whole saler = 8% of profit since whole--Saler earns = 8% of 1,200 a profit of ₹1,200) =396.

(i) The value of the machine paid by the consumer = ₹ 15,000+₹1,200+ ₹1,800 = \$18,000

> Tax paid by the consumer = 87 of \$ 18,000 = \$ (8 × 18,000)

> > = ₹ 1,440.

... The amount paid by the consumer per Machine = 2 18,000+21,440 = ₹19,440.

solution-03.

Amount Paid by the manufacturer for Raw material = 740,000.

Sales tax Amount on Raw material = 47. of 40,000 = ₹1,600 .

selling Proce of Ready Stock = \$78,000. sales tax on Ready stock= 7.5% of 78,000 = ₹ 5:850.

VAT Paid by the manufacturer

= Sales tax on Readystock - Sales taxon
Raw Material

= ₹ 5,850-₹1,600

= \$4,250.

solution-04.

As wholesaler sales camera to shopkeeper at 20%. discount of marked price.

The selling price of cameraby wholesaler

= ₹ 1,600 - ₹ 20 x 1,600

= ₹1,600-₹320

= 21,280

cost price of camera by ghopkeeper = ₹1,280.

(1) Belling Price of camera by shop keeper = ₹1,600.

VAT Paid by consumer = 6 1.0f ₹1,600

=₹ 96.

The Price at which cameracan be bought

= ₹1,600+₹96.

= 21,696.

(i) Profit for the shopkeeper =- cost price + selling Price

= S.P-C.P

= I 1,600- £ 1,280 ;

= 2320.

VAT Paid by the Shopkeeper = 67. Of £320.

Solution-05.

(i) Printed Price of an Article ₹ 60,000.

As whole saler allows a discount of 201. to Shopkeeper, cost price of the Article

= ₹60,000 - 201.0+ ₹60,000

= ₹60,000 - <u>20</u> ×60,000

= ₹60,000-\$12,000

= ₹48,000.

VAT paid by the shop keeper = 6% of \$48,000

= E 100 × 48000

= 6x480

=₹288O.

cost to the shapkeeper inclusive of tax

=₹48,000+₹2,880

= \$ 50,800.

(ii) Profit of anArticle to Shopkeeper

= ₹60,000-₹48,000

= \(\xu \) 12,000.

[.. Shopkeeper sells an Adticle at Marked Price)

VAT Paid by the Shap keeper to the government

= (\$ 12,000)x6

= ₹720.

(iii) Shopkeepersells an Article at £60,000.

VAT Paid by consumer = 6% of \$60,000

= 6 ×60,000

= 6×600

= ₹3,600.

the cost to consumer inclusive of tal

= 260,000+73,600

= ₹ 63,600.

Solution-06:-

Listed price of an TV 224,000.

shop keeper bought a TV at a discount of 30% of Listed price

.. cost price of a TV= 24,000 -30" of Listed Price

= 24,000 - 30 x24,000

= 24,000-7,200

= 16,800

(i) Selling Price of a TV = 24,000 - 107. discound + 10272

= 24,000-2,400

= 2221,600.

selling Price of a TV including Tax = 21.600+107.0f

= 21,600+ 10 ×21,600

= 21,600 + 2160

= 23,760.

(ii) NAT Paid by the shopkeeper = 10% of Profit.

profit for shopkeeper by Selling TV = Selling Price
cost price.

= 21,600-16,800

= 4,800:

VAT to be Paid by the shop keeper = 10% of $\Xi4,800$ = $\frac{10}{100} \times 4,800$ = $\Xi480$

Solution-07.

Listed price of an Article = \$1,500.

Rate of VAT = 12%

VAT paid by shop keeper to the Government = ₹36.

⇒ 12% of profit = \$36.

$$\Rightarrow$$
 Profit = $\frac{3600}{12}$

> Profit = 300.

Profit to. Article by shopkeeper = selling pricecost price

> = \$ 1,500- \$300 = \$ 1,200.

shop keeper Purchased cost of an Article = cost Pricet

12/.VAT

= 212900 + 12/1200

= 21200+ 2144 = 21344

solution -08.

List price of an Article = 7800.

Let the amount of discount be =x

As the Shopkeeper sells the article at the List price, the profit of the shopkeeper = \(\frac{1}{2} \text{x} \).

.. The value added by the shopkee per = = = x.

As the shop keeper pays a VAT of \$6 and a Rate of Gales tax = 7.5%

Solution-09.

Manufacturing company p' sells a Desert cooler to a dealer A for ₹8,100. inclusive of tax.

Rate of sales tax = 8%.

(i) the cost price of the cooler for dealer A =

Total Amount Paid - Sales Tax.

Let the amount Paid 'x' then

Amount paid by dealer A = 2 + 82

(ii) The amount of tax received by the Government = x

Dealer B sells to consumer= ₹ 8500+ ₹600

(iii) The dealer A sells it to a dealer B for \$8,500+

sale tax

= \$8,500+ \$8,8500

= \$9,180.

Taz paid by consumer = \$8,500 + \$600 = \$9,100. Taz paid by consumer = 80,00 \$9,100 = \$0,000 = \$728. The amount which the consumer Pays the cooler= fq,100+7128= fq,828.

Solution-10:

Marked Price of an Article = \$ 5,000.

wholesaler's cost price of An Article = 25,000 -

₹ 25 × 5,000

= ₹ 5,000 - ₹1,250 = ₹ 3,750.

VAT Paid by the wholesaler = 8 x 3750 to Manufaction = 100 x 3750

Retailer cost price of An Article = ₹5,000-₹15x15000

= ₹4,250.

= ₹5,000 - ₹750

VAT Paid by the Retailer = 7 8 x 4,250

= 78×42.5

= ₹340.

consumer cost Price = \$5,000 as retailer sells to consumer at marked price.

VAT Paid by the consumer = 38 x 5,000

= ₹490€ = ₹400.

(i) VAT received from the wholesder to government

= ₹340-₹300

= ₹ 4o.

(ii) VAT received by Grovernment from retailer = \$400-\$340

The amount which the consumer Pays the cooler= 59,100+7128= 59,828.

501wion-10:

Marked Price of an Article = \$ 5,000.

wholesaler's cost price of An Article = 25,000 -

₹ 25 × 5,000

= ₹ 5,000 - ₹1,250

= ₹ 3,750.

VAT Paid by the wholesaler = 8 × 3750 to Manufaction = 300

Retailer cost price of An Article = \$5,000 - \$ 15 x 15000

= ₹5,000 - ₹750

= ₹4,250.

VAT paid by the Retailer = 7 8 x 4,250

= 78×42.5

= ₹340.

consumer cost Price = \$5,000 as retailer sells to consumer at marked price.

VAT Paid by the consumer = 3 & x 5,000

= ₹400 .

(i) VAT received from the wholesder to Government

= ₹340-₹300

= ₹40.

(ii) VAT received by Government from retailer = ₹400-₹340

solution-11:-

Listed price of goods = ₹160.

cost Price of goods to wholesaler =

Listed Price - 251. discount

= ₹160-₹25×160

= ₹160-₹40

= ₹i40.

Tax Paid by wholesaler to Manufacturer = 7 10 x 120

("Sales tax on the goods -10%)

== 712

cost price of the goods to retailer

= Listed price - 20 1. discount

= ₹160- ₹ 20 ×160

= ₹ 160-₹32

= 3128.

Tax paid by retailer to wholesaler = ₹10 x ₹128

= ₹12.80Ps.

cost Price of the consumer = Listed price - 51 discour

= \$160- ₹ 500×160

= ₹160-28

= 7152.

Tax Paid by consumer = 200 x 7:152

= ₹ 15.20 Ps.

- (i) The VAT paid by the wholesaler = \$12.80 PS- \$12.00
- (ii) the VAT paid by the retailer = VAT paid by consumer-VAT paid by retailer to Wholesaly

(iii) VAT received by the government
= ₹12+₹0.80+₹2.40
= ₹15.20.

solution-12:-

Purchased price = cost price + Tax Paid

> x=₹4,500. .

.. cost price of an Article = ₹4,500.

given that 10% rebate on the marked price

so marked price = cost price + 10% of 'y'

Marked Price of an Article = \$ 5,000.

cost price of an Article to Shopkeeper = \$12,000.

: Marked Price of an Article = 72,000+ Exp x12,000

= £12,000+ £C25x120

= £12,000+£3,000

= ₹15,000.

The shop keeper gives 10% discounts to marked

Further Off-seaton discount 5% on Remaining

ii) The amount of tax customer has to pay

- (ii) The final Price he has to Pay for an Article
 - = Maremaining pricet Tax
 - = \$12,825+ \$ 1026.
 - = \$ 13,851.

Solution - 14:

Purchased goods worth RS 9,60,000.

Total Paid tax on purchased goods \$62,750.

Goods Taxable 6% of 4,00,000 = 7 6 x4,00,000

= 26×4000

= 22,4000

Goods Taxable 12.5% of 4,80,000 = 7 12.5% of 4,80,000

= 12.50 × 4,80,000

= 2 12.5×4,800

= ₹60,000

Exempted goods worth \$ 95,640.

. Tax Liability (under VAT) for this Period

= . Total input fax + Total output tan

Total input tan = 7 62,750

total output tax = = 24,000 + 760,000

= ₹84,000.

:. Tan Liability = 784,000- 2 62,750

= ₹ 21, 250

Solution - 15:calculation of input tax:

Tax Rate	purchases	Input taxes.
FLOOR TÎLES (7.5%)	8,00,000	7.5% of 8,00,000 = 20,000.
Sanitory Fittings (1071)	7,50,000	10% 047,50,000 = 5,000

Total Input Tax = 1,35,000.

calculation of output tax

8,40,000	7.5% of 8,40,000= 63,000
9,20,000	10% of 9,20,000=92,000
	9,20,000

calculation of Adjustment output tax.

Tax Rate	Return,	Adjustment output Tax
Floor Tiles -7.5%	60,000	4,500
		vitaut tax -> 4.500.

- .. Tax Liability Lunder VAI) of the firm during the said tax period
 - = Total input tax Adjustment output tax Total input tak
 - = ₹1,55,000 ₹4,500 ₹1,35,000
- = ₹20,000 ₹4,500
- = 215,500.