Q1] GNP_{MP} = 2000 crore

Capital Stock = 4000 crore

% Dep = 12% per annum

NFI_{ab} = (400 – 600) crores = -200 c

NIT = (200 – 30) crores = 170 c

a) # Net = Gross – Dep

National = Domestic + NFIab

NDP_{MP} = GNP_{MP} – dep – NFIab

NDP_{MP} = 2000 – $\dfrac{12}{1000}$ × 4000

– (-200)

= 1700 crores

b) # FC = MP – NIT

NDP_{FC} = 1700 – 170 = 1530 crores

Q2] i) By Expenditure Method

$$PFCE = 200$$
$$GFCE = 20$$
$$GDCF = 40$$
$$NE = (-5)$$

$$GDP_{MP} = 200 + 20 + 40 - 5$$
$$= 255 \text{ million}$$

$$GNP_{MP} = GDP_{MP} + NFIab = 255 + 5$$
$$= 260 \text{ millions}$$

ii) By Income Method

$$COE = 165 + 10 = 175$$
$$OS = 15 + 15 + 20 = 50$$
$$MI = 0$$
$$NIT = T - S = 30 - 5 = 25$$

$$NDP_{FC} = 175 + 50 = 225$$

$$GDP_{MP} = NDP_{FC} + NIT - Deh$$
$$= 225 + 25 + 5 = 255 \text{ mill}$$

Q3] i) From Income Method:

$$COE = 23,420$$

$$OS = 9637$$

$$MI = 29267$$

$$NDP_{FC} = COE + OS + MI$$

$$= 62,324 \text{ Cr}$$

$$NNP_{FC} = NDP_{FC} + NFIab$$

$$= 62,324 + (-255)$$

$$= 62,069 \text{ Cr}$$

ii) From Expenditure Method:

$$PFCE = 51,177$$

$$GFCE = 7,341$$

$$GDCF = GFCF + \Delta Stock$$

$$= 13248 + 3170$$

$$= 16,418$$

$$NE = 4812 - 5664 = -852$$

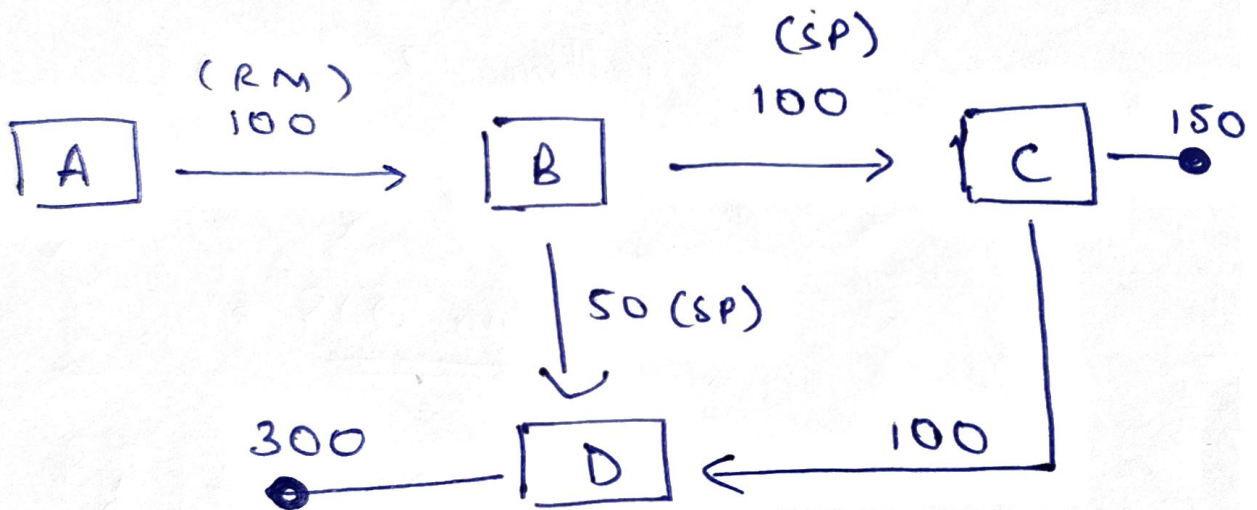$$GDP_{MP} = PFCE + GFCE + GDCF + NE$$

$$= 74,084$$

$$NNP_{FC} = GDP_{MP} - NIT + NFIab - Dep$$

$$= 74,084 - (8834 - 1120)$$

$$+ (-255) - 4046$$

$$= \underline{62,069} \ Cr$$

Q4]

$$VA_A = 100 - 0 = 100$$
$$VA_B = 150 - 100 = 50$$
$$VA_C = 100 + 150 - 100 = 150$$
$$VA_D = 300 - 100 - 50 = 150$$

$$\Sigma VA_{industry} = 100 + 50 + 150 + 150$$
$$= \underline{450}$$

National Income $= 300 + 150$
$$= \underline{450}$$