

CLASS EXERCISE- SUPPLY AND USE TABLES

Using the following information, please compile :

1. A Supply and Use table on the pro-forma supplied
2. GDP using the production, income and expenditure approach.

MINING INDUSTRY

Results from the Mining Census were as follows:

<i>Receipts (including taxes on products)</i>	
Sales of Iron ore	400
Sales of coal	250
<i>Taxes on products</i>	
Iron ore tax	30
<i>Expenditure</i>	
Fuels (coal)	10
Wages and salaries	400
<i>Inventories</i>	
Change in inventories of finished goods (iron ore)	9
Change in inventories of finished goods (coal)	-10
<i>Capital formation</i>	
Purchase of cars	100

STEEL MANUFACTURING INDUSTRY

Results from Manufacturing Census were as follows:

<i>Receipts (values excluding taxes on products)</i>	
Sales of steel	310
<i>Expenditure</i>	
Materials (iron ore)	120
Fuels (coal)	60
Wages and salaries	100
<i>Inventories</i>	
Change in inventories of finished goods (steel)	8
Change in inventories of materials (coal)	0
Change in inventories of materials (iron ore)	4

<i>Capital formation</i>	
Purchase of cars	20

CAR MANUFACTURING INDUSTRY

page 2

Results from the Census of car manufacturing are as follows:

Receipts (values excluding taxes on products)

Sales of motor vehicles	990
Car subsidy (on products) from Government	20

Expenditure

Materials (steel)	230
Fuels (coal)	70
Wages and salaries	550
Employer contribution to pension funds	20

Change in Inventories

Finished goods (cars)	10
Materials (steel)	-5
Materials (coal)	0

Capital formation

Purchase of cars	50
------------------	----

BALANCE OF PAYMENTS DATA

<i>Imports</i> Cars	300
---------------------	-----

<i>Exports</i> Coal	105
Iron ore	280
Steel	80
Cars	400

HOUSEHOLD SOCIO-ECONOMIC SURVEY DATA

Results from the Survey are as follows:

Households' purchase of coal	5
Households' purchase of cars	720

Derivation of major aggregates	Mining	Steel manufacture	Car manufacture
Sales	650	310	990
- Taxes on products	30		
+ Subsidies on products			20
+ Change in inventories of finished goods and work in	-1	8	10
= Output at basic prices	619	318	1020
+ Imports			300
= Total supply at basic prices			
+ Taxes less Subsidies on	30	0	-20
= Total supply at purchasers' prices	649	318	1300
Purchases of materials and fuels	10	180	300
- Change in inventories of materials and fuels	0	4	-5
= Intermediate consumption	10	176	305
Output at basic prices	619	318	1020
- Intermediate consumption	10	176	305
= Gross value added at basic prices	609	142	715
= Gross value added at basic prices	609	142	715
- Compensation of employees	400	100	570
= Gross operating surplus	209	42	145
