CLASS XII
VALUE ADDED METHOD

1. Calculate a. GNPmp, and b. NNPfc (Rs. in crores)
   i. Value of output in primary sector 200
   ii. Value of output in secondary sector 250
   iii. Value of output of tertiary sector 300
   iv. Intermediate consumption of primary sector 50
   v. Intermediate consumption of secondary sector 60
   vi. Intermediate consumption of tertiary sector 60
   vii. Net factor income from abroad (-)15
   viii. Net indirect taxes 25
   ix. Depreciation 20

2. Calculate GDPfc and NNPfc from the following. (Rs. in crores)
   1. Value of output of
      Primary sector 10,000
      Secondary sector 9,000
      Tertiary sector 7,000
   2. Intermediate consumption of
      Primary sector 5,000
      Secondary 4,000
      Tertiary sector 3,000
   3. Net indirect taxes 100
   4. Subsidies 60
   5. Consumption of fixed capital 400
   6. Factor income received from abroad 400
   7. Factor income paid to abroad 600
   8. Private final consumption expenditure 8,500

3. Calculate National Income by net output method. (Rs. in crores)
   i. Gross value of output at market prices 15,500
   ii. Value of intermediate consumption 4,800
   iii. Consumption of fixed capital 1,550
   iv. Indirect taxes 950
   v. Direct taxes 780
   vi. Subsidies 200
   vii. Net factor income from abroad (-)200

4. Calculate Net Value added at factor costs and Gross Value Added at market prices.
   1. Domestic sales 45,900
   2. Opening stock of inventories 12,800
   3. Closing stock of inventories 16,500
   4. Exports 6,780
5. Consumption of fixed capital  1,500
6. Indirect taxes     1,540
7. Direct taxes      650
8. Purchase of raw materials from domestic market  12,100
9. Import of raw materials 3,200
5. Calculate Gross national Product at market prices and Net Domestic Product at factor cost
1. Opening stock of inventories    1450
2. Indirect taxes     200
3. Subsidies   50
4. Closing stock of inventories 1750
5. Domestic sales   5900
6. Purchase of non-durable goods from domestic market  1500
7. Import of raw materials   500
8. Exports     600
9. Factor income received from abroad  110
10. Depreciation 380
11. Factor income paid to abroad 90
6. Calculate Gross Domestic Product at market prices and Net Domestic Product at factor cost
1. Value of output of all sectors 3200
2. Consumption of fixed capital 300
3. Net factor income from abroad (-)40
4. Value of intermediate consumption of all sectors 1800
5. Indirect taxes 120
6. Changes in stock of inventories 300
7. Subsidies 70
7. Calculate Net Value Added at Market Prices
1. Sales 2800
2. Intermediate cost 1200
3. Consumption of fixed capital 210
4. Exports 200
5. Changes in stock 200
6. Subsidies 60
7. Direct taxes 100
8. Indirect taxes 170
8. Calculate Gross National Product at factor cost
1. Value of output 5400
2. Subsidies 150
3. Indirect taxes 550
4. Intermediate cost 2600
5. Changes in stock 200
6. Depreciation 350
7. Net factor income from abroad 240
8. Direct taxes 400
Hints: GDP\textsubscript{MP} = Value Of Output of All Sectors—Intermediate Cost of All Sectors.