NUMERICAL QUESTIONS

1. Calculate value added by firm A and firm B (Rs.lakh)
   a. Purchase of firm A from rest of the world  300
   b. Sales by firm B  900
   c. Purchase by firm A from firm B  500
   d. Sales by firm A  1100
   e. Export by firm A  300
   f. Opening stock of firm A  35
   g. Closing stock of firm A  200
   h. Changes stock of firm B  300
   i. Purchase by firm B from firm A  500

2. Calculate Gross value added at factor cost (Rs.'000)
   a. Domestic Sales  3200
   b. Opening stock of inventories  190
   c. Closing stock of inventories  120
   d. Purchase of raw materials  200
   e. Indirect taxes  200
   f. Subsidies  180
   g. Consumption of fixed capital  80
   h. Exports  300

3. Calculate Net Value added at factor cost (Rs. Lakhs)
   a. Value of output  2180
   b. Intermediate goods purchased  920
   c. Gross domestic fixed capital formation  230
   d. Net domestic fixed capital formation  180
   e. Subsidies  200

4. Calculate the contribution of firm X to the Net Domestic Product at Factor cost from the following transaction incurred by the firm.
   a. Sales  320
   b. Changes in stock  140
   c. Indirect taxes paid  30
   d. Subsidies  10
   e. Consumption of fixed capital  20
   f. Compensation of employees  50
   g. Intermediate consumption  120

5. Prove that net value added at factor cost is equal to factor income generated by the firm (figures in thousands)
   a. Domestic sales  2100
   b. Closing stock  500
   c. Compensation of employees  700
   d. Opening stock  350
   e. Consumption of fixed capital  250
   f. Indirect taxes  100
   g. Rent  80
   h. Interest  30
   i. Subsidies  40
   j. Profits  130
   k. Purchase of raw materials  820
1. Consumption of electricity and fuel 180

6. Calculate net value added at factor cost (Rs. ‘000)
   i. Sales. 500
   ii. Opening stock. 100
   iii. Purchase of raw material. 250
   iv. Electricity charges. 15
   v. Consumption of fixed capital. 30
   vi. Indirect tax. 10
   vii. Income tax. 5
   viii. Closing stock. 25

7. Calculate Net Value added at Market Prices. (Rs. in lakhs)
   1. Opening Stock 10
   2. Net Indirect Taxes 7
   3. Subsidy 2
   4. Intermediate Cost 12
   5. Closing Stock 8
   6. Depreciation 5
   7. Sales 40

8. Calculate Gross Value Added at factor cost ((Rs. Lakhs)
   1. Subsidy. 2
   2. Sales. 50
   3. Opening Stock. 4
   4. Intermediate cost. 20
   5. Net indirect taxes. 8
   6. Depreciation. 4
   7. Closing stock. 0

9. Calculate Value of output (Rs.’000)
   i. Net Value added at factor cost. 500
   ii. Purchase of raw material. 250
   iii. Electricity charges. 15
   iv. Consumption of fixed capital. 30
   v. Excised duty. 10
   vi. Income tax. 5

10. Calculate Value of sales (Rs.’000)
    a. Net Value added at factor cost 2100
    b. Intermediate goods purchased 920
    c. Consumption of fixed capital 50
    d. Net addition to stock 180
    e. Indirect taxes 230
    f. Subsidies 200

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