| c Calcula | ite the PES i | the price of the health product falls from \$48 to | 5 \$45. |
|---------------------|---|--|--------------------------|
| d Explain | why the PE | of the health product might be so price elastic | [; |
| | | | |
| | | ent intervention Subsidies/Price controls | |
| The table b | elow shows | ne demand and supply schedules for Product Y. | |
| Demand | Price (\$) | Supply a Identify the equilibrium | orice of Product Y. |
| 30,000 | 10 | 12,000 | |
| 25,000 | 15 | 16,000 | |
| 20,000 | 20 | 20,000 | |
| 15,000 | 25 | 24,000 | |
| 10,000 | 30 | 28,000 | |
| 5,000 | 35 | 32,000 | |
| b Define the | he term 'prio | e ceiling'. | [2 |
| c Briefly ex | xplain the in | pact of the government imposing a price floor o | f \$25 for Product Y. [2 |
| Qd | Price (\$) | e demand (Qd) and supply (Qs) schedules for a ldentify the equilibrium price o | |
| 3,000 | | 000 | |
| 4,000 5,000 | CONTRACTOR DESCRIPTION OF THE PERSON NAMED IN COLUMN 1 | 000 | |
| 6,000 | CONTRACTOR OF THE PARTY OF THE | 000 | |
| 7,000 | | 000 | |

9,000

2

4,000

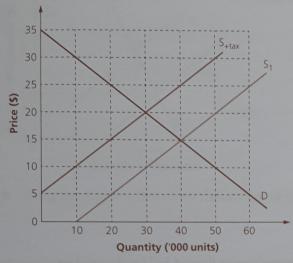
3,000

| c Assume that the government imposes a specific tax of \$2 per unit on Product X. Calculate the new equilibrium price. d Calculate the total tax revenue payable to the government. e Outline how much of the tax incidence is borne by the consumer. The table below shows the demand (Qd) and supply (Qs) schedules for Product Z. a Identify the equilibrium price and quantity. a Identify the equilibrium price and quantity. b Suppose the government grants a subsidy of \$1 per unit to the producers of Product Z. Calculate the new equilibrium price and quantity. | ne amount | of excess sup | oply at a price of \$5 per unit. | |
|---|--------------------------|--|--|---|
| e Outline how much of the tax incidence is borne by the consumer. The table below shows the demand (Qd) and supply (Qs) schedules for Product Z. Od Price (S) Qs 30,000 7.5 90,000 40,000 7.0 80,000 50,000 6.5 70,000 60,000 6.0 60,000 70,000 5.5 50,000 80,000 5.0 40,000 90,000 4.5 30,000 b Suppose the government grants a subsidy of \$1 per unit to the producers of Product Z. Calculate the new | | | mposes a specific tax of \$2 per unit on Product X. Calculate the new | |
| The table below shows the demand (Qd) and supply (Qs) schedules for Product Z. Qd | ite the tota | al tax revenue | e payable to the government. | |
| The table below shows the demand (Qd) and supply (Qs) schedules for Product Z. Qd | | | | |
| The table below shows the demand (Qd) and supply (Qs) schedules for Product Z. Qd | e how muc | h of the tax i | incidence is borne by the consumer. | |
| | 6.0 5.5 5.0 4.5 | 60,000 50,000 40,000 30,000 | ts a subsidy of \$1 per unit to the producers of Product Z. Calculate the new | |
| | ium price | and quantity | | N. |
| b Suppose equilibr | | that the grium price. The that the grium price. The the total state the tota | that the government in the the total tax revenue the the total tax revenue the how much of the tax in the the total tax revenue the how much of the tax in the t | that the government imposes a specific tax of \$2 per unit on Product X. Calculate the new imm price. The the total tax revenue payable to the government. The how much of the tax incidence is borne by the consumer. The below shows the demand (Qd) and supply (Qs) schedules for Product Z. The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price (S) The price |

d Determine the value of the incidence of the subsidy that is passed on to the consumers of Product Z.

[2]

4 Refer to the diagram below and answer the questions that follow.



a Calculate the total tax revenue collected by the government from the imposition of the tax.

[2]

b Calculate the incidence of tax paid by the consumer.

[2]

c Calculate the change in consumer spending following the imposition of the tax.

[2]

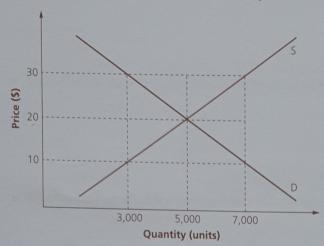
d Calculate the deadweight loss resulting from the imposition of the tax.

[2]

e Calculate the value of the producer surplus after the imposition of the tax.

[2]

5 Refer to the diagram below and answer the questions that follow.



a Explain the situation which arises if the government imposes a price floor of \$30 for the product.

[2]

b Calculate the change in consumer spending following the imposition of the price floor.

[2]

c Calculate the change in producer revenue following the imposition of the price floor if the government buys all the surplus.

[2]

d Suppose the government exports all the excess supply at \$20 per unit. Calculate the amount of taxpayers' money needed to support this price control scheme.

[2]