

Quiz: Lesson 1.2 – The Economics of Financial Intermediation  
Module 1: The Cost Problem

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## Question 1 (Understand)

According to Coase (1937), why do firms exist?

- A Governments require economic activity to be organized through firms
- B Firms can avoid paying taxes that market participants must pay
- C **Using the market price mechanism involves transaction costs that firms can reduce**
- D Firms always produce goods at lower marginal cost than individuals

## Question 2 (Apply)

A payment network requires specialized fraud-detection infrastructure, faces unpredictable chargeback volumes, and processes millions of transactions daily. Using Williamson's framework, which governance structure is predicted?

- A Pure market exchange with spot contracts
- B **Hierarchical governance (intermediary/firm)**
- C Government-operated public utility
- D Bilateral barter between merchants and consumers

## Question 3 (Apply)

An interchange fee of  $0.3\% + €0.05$  is charged on a €80 purchase. What is the total interchange amount?

- A €0.24
- B €0.05
- C **€0.29**
- D €0.35

## Question 4 (Understand)

In Williamson's Transaction Cost Economics framework, which of the following is NOT one of the three key dimensions?

- A Asset specificity
- B Uncertainty
- C Frequency
- D **Market capitalization**

## Question 5 (Apply)

A correspondent bank charges 15 basis points on a \$10,000 cross-border payment. What is the fee in dollars?

- A \$1.50
- B \$150.00
- C **\$15.00**
- D \$0.15

## Question 6 (Analyze)

A bank introduces a \$50 annual card fee shortly after interchange caps reduce issuer revenue. This is best described as:

- A A Coasian externality
- B A network effect failure
- C **The waterbed effect**
- D Two-sided market optimization

## Question 7 (Apply)

Bank A in Country X holds an account denominated in Country Y's currency at Bank B in Country Y. From Bank A's perspective, this account is:

- A A vostro account
- B A clearing account
- C A reserve account
- D **A nostro account**

## Question 8 (Analyze)

A remittance provider advertises “zero transfer fees” but offers an exchange rate 4% worse than the mid-market rate on a \$500 transfer. What is the actual total cost to the sender?

- A \$0 (fees are zero)
- B \$5.00
- C **\$20.00**
- D \$40.00

## Question 9 (Understand)

In a two-sided card network, which side is typically subsidized by interchange?

- A The cardholder (consumer) side**
- B The merchant side
- C The regulator
- D The card network itself

## Question 10 (Apply)

A cross-border payment passes through Sender → Sender's Bank → Correspondent A → Correspondent B → Receiver's Bank → Receiver. How many intermediaries handle the funds?

- A 2
- B 3
- C 4
- D 5

## Question 11 (Analyze)

Why do low-volume remittance corridors tend to have higher costs per transaction?

- A Regulators intentionally set higher fees for small corridors
- B The currencies involved are always more volatile
- C **Fixed infrastructure costs are spread over fewer transactions, and fewer providers reduce competition**
- D Correspondent banks refuse to serve these corridors entirely

## Question 12 (Apply)

The EU Interchange Fee Regulation (IFR) caps consumer debit card interchange at:

- A 0.1% of transaction value
- B **0.2% of transaction value**
- C 0.3% of transaction value
- D 0.5% of transaction value

## Question 13 (Analyze)

A FinTech uses peer-to-peer currency matching to avoid correspondent banks for FX conversion. Which transaction cost component does this primarily reduce?

- A Enforcement costs
- B **Search and bargaining costs (plus FX intermediary spreads)**
- C Compliance costs
- D Monitoring costs

## Question 14 (Understand)

What is the primary function of SWIFT in cross-border payments?

- A Moving funds between bank accounts
- B Setting interchange fees for international transactions
- C **Providing a secure messaging network for payment instructions**
- D Converting currencies at the mid-market rate

## Question 15 (Apply)

A merchant pays a Merchant Service Charge (MSC) of 1.10%. If interchange is 0.30%, the network fee is 0.10%, and the acquirer takes the remainder, what is the acquirer's margin?

- A 0.30%
- B 0.80%
- C 0.60%
- D **0.70%**

## Question 16 (Analyze)

After interchange caps are introduced, a study finds that retail prices did not decrease despite lower merchant fees. Which explanation is most consistent with this finding?

- A Merchants illegally retained the savings
- B **Merchant cost pass-through to consumers is incomplete due to competitive dynamics**
- C The caps were not effectively enforced
- D Consumer demand increased simultaneously

## Question 17 (Apply)

A bank maintains nostro accounts in 15 different currencies, each pre-funded with the equivalent of \$2 million. What is the total trapped liquidity?

- A \$2 million
- B \$15 million
- C **\$30 million**
- D \$150 million

## Question 18 (Evaluate)

A policy advisor argues that interchange should be banned entirely (set to zero). Using two-sided market theory, what is the strongest counter-argument?

- A Banks would go bankrupt without interchange revenue
- B Merchants would have no incentive to accept cards
- C **Zero interchange would under-subsidize the consumer side, reducing card adoption and harming the platform equilibrium**
- D Card networks would relocate to unregulated jurisdictions

## Question 19 (Analyze)

The US Durbin Amendment caps debit interchange for large banks but exempts small banks. What is the most likely competitive effect?

- A Small banks lose market share because they cannot offer rewards
- B **Merchants may prefer routing transactions to networks with lower (capped) interchange, disadvantaging exempt small banks**
- C Large banks benefit because they can charge higher credit card interchange
- D The exemption has no practical effect on competition

## Question 20 (Evaluate)

A developing country has high remittance costs (approximately 12%) due to de-risking, few providers, and cash-dependent last-mile delivery. Rank the following interventions from most to least effective at reducing costs:

**(i)** Mandate interchange caps    **(ii)** Invest in digital payment infrastructure    **(iii)** License new money transfer operators

- A (i), (ii), (iii) — caps always reduce costs first
- B (iii), (i), (ii) — more operators drive competition
- C **(ii), (iii), (i) — infrastructure enables digital channels; more providers add competition; interchange caps address card payments, not remittances directly**
- D (i), (iii), (ii) — regulation should come before infrastructure

- 1 (C) – Market transaction costs
- 2 (B) – Hierarchical governance
- 3 (C) – €0.29
- 4 (D) – Market capitalization
- 5 (C) – \$15.00
- 6 (C) – Waterbed effect
- 7 (D) – Nostro account
- 8 (C) – \$20.00
- 9 (A) – Cardholder side
- 10 (C) – 4 intermediaries
- 11 (C) – Fixed costs / low competition
- 12 (B) – 0.2%
- 13 (B) – Search/bargaining + FX spreads
- 14 (C) – Secure messaging network
- 15 (D) – 0.70%
- 16 (B) – Incomplete pass-through
- 17 (C) – \$30 million
- 18 (C) – Platform equilibrium argument
- 19 (B) – Routing disadvantage
- 20 (C) – Infrastructure, operators, caps