

Global Considerations in Engineering Design (New Engine)

1

Multiple Choice 1 point

Which scandal highlighted the importance of ethics in global engineering projects?

- ☐ Lockheed bribery scandal
- ☐ Challenger disaster
- ☐ Enron collapse
- ☐ Volkswagen emissions scandal

2

Multiple Choice 1 point

The Transparency International Corruption Perceptions Index primarily measures:

- ☐ Perceived corruption in public sectors worldwide
- ☐ Levels of economic development in nations
- ☐ International trade tariffs
- ☐ The number of engineering projects per country

3

Multiple Choice 1 point

Which global organization provides frameworks for evaluating anti-corruption policies?

- ☐ World Bank
- ☐ United Nations
- ☐ NATO
- ☐ International Monetary Fund

4

Multiple Choice 1 point

Political stability affects engineering projects because:

- ☐ It determines project aesthetics
- ☐ It guarantees cheaper construction materials
- ☐ It reduces the need for local labor
- ☐ It shapes legal frameworks, risk, and project security

5

Multiple Choice 1 point

The OECD's work on bribery in Asia emphasizes:

- ☐ Criminalization and enforcement against corruption
- ☐ Expansion of international trade routes
- ☐ Investment in military infrastructure
- ☐ The importance of cultural exports

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Multiple Choice 1 point

Singapore's Corrupt Practices Investigation Bureau (CPIB) is notable for:

- ☐ Promoting tax havens for investors
- ☐ Providing loans for engineering projects
- ☐ Encouraging corporate lobbying in global trade
- ☐ Developing a strong anti-corruption control framework

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Multiple Choice 1 point

An example from the lesson reading list of corruption affecting global energy supply chains is:

- ☐ French cash, Russian fuel, Ukrainian blood
- ☐ The OPEC oil embargo of 1973
- ☐ U.S. interstate highway funding
- ☐ The Panama Canal expansion

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Multiple Choice 1 point

Why are trade policies and tariffs important in global engineering projects?

- ☐ They improve project aesthetics
- ☐ They can significantly alter project costs and feasibility
- ☐ They encourage cultural preservation
- ☐ They guarantee compliance with labor laws

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Multiple Choice 1 point

Global engineering challenges include balancing:

- ☐ Political campaigning with engineering education
- ☐ Ethics, economics, environment, and culture
- ☐ Cultural rituals with technological advancement
- ☐ Only economic growth and profit

10

Multiple Choice 1 point

A major opportunity for engineers in globalization is to:

- ☐ Ensure responsible and ethical project delivery worldwide
- ☐ Avoid working in developing nations
- ☐ Maximize profit without oversight
- ☐ Focus only on domestic projects