

**Question 2: One Stimulus****7 points**

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- (A)** Using the data categories shown in the table, identify ONE indicator that is used to calculate HDI scores. **1 point**

Accept one of the following:

- A1. Life expectancy is one indicator.
- A2. GNI per capita is one indicator.
- A3. Mean (or average) years of schooling is one indicator.

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- (B)** Using a different indicator than the one identified in part A, explain why Brazil's HDI score is higher than that of Afghanistan. **1 point**

Accept one of the following:

- B1. Brazil has a higher ranking than Afghanistan because it has a higher life expectancy (no point if paired with a point for A1).
  - B2. Brazil has a higher ranking than Afghanistan because it has a higher GNI per capita, produces higher-value goods and services per person, and/or Brazil has a more productive economy per person (no point if paired with a point for A2).
  - B3. Brazil has a higher ranking than Afghanistan because it has a greater mean (or average) number of years of schooling for adults and/or children (no point if paired with a point for A3).
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- (C) The UN and many countries have promoted sustainability principles. Describe ONE specific way that sustainability goals can respond to economic challenges. 1 point**

Accept one of the following:

- C1. Programs and policies to reduce poverty (e.g., improve access to the flow of remittances, microloans, social safety nets) and/or increase jobs. (Sustainable Development Goals [SDG] 1, 8, 16)
- C2. Improvements in the quality of the environment (e.g., environmental protection measures, increasing biodiversity, reducing pollution) may improve the health of the labor force. (SDG 14, 15)
- C3. Investments in environmental technology (e.g., clean water, sanitation, and/or hygiene) and/or infrastructure (transportation, electricity). (SDG 6, 9)
- C4. By shifting from fossil fuels to solar and wind-generated electricity, a country can generate new employment in the secondary and/or tertiary sectors (e.g., construction, manufacturing, engineering). (SDG 7, 13)
- C5. Improvements in nutrition and/or agricultural production and/or reductions in food insecurity can improve the health of the workforce and/or increase economic productivity. (SDG 2)
- C6. Investing in improving health care can result in a healthier and/or more productive workforce and/or lower population growth. (SDG 3)
- C7. Investing in education can improve the overall quality of the workforce. (SDG 4, 5)
- C8. Reducing inequalities such as gender discrimination and/or other forms of discrimination (e.g., discrimination based on race, ethnicity, ability, age). (SDG 5, 10)
- C9. Reducing conflict, war, and violence frees up resources to invest in other areas of a country's economy and/or can lead to increases in the country's trading partners. (SDG 16)
- C10. Programs and policies that create partnerships among governments, and/or the private sector can often lead to more investment in industry. (SDG 17)

Responses do not need to cite the SDG number.

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- (D) Explain ONE reason why increasing women's access to education is likely to affect a country's total fertility rate. 1 point**

Accept one of the following:

- D1. Women with increased access to education spend more time in school and/or have more job opportunities (e.g., higher-paying jobs), which tends to result in delayed age of marriage and/or smaller family sizes.
- D2. Women with increased access to education tend to have more information regarding health care and family planning, and/or the ability to afford family planning, resulting in smaller family sizes.
- D3. Women with higher levels of education tend to migrate to urban areas where residents may have less time, space, and/or need for children as a source of familial labor (as compared to rural areas).
- D4. Women with higher levels of education tend to have higher levels of political empowerment and may choose to have fewer children due to their position or role in society (e.g., equality with men, holding political office, business ownership), and/or nondomestic role in the household.

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- (E) SDG 8 is to "promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all." Explain ONE way a country's development of ecotourism might affect economic growth. 1 point**

Accept one of the following:

- E1. A country that has moved to ecotourism would see an increase in jobs or expansion in the service sector of the economy.
  - E2. Ecotourism often results in better-paying, salaried jobs.
  - E3. Ecotourism may result in an increase in tourism revenue, foreign currency, and/or tax revenues.
  - E4. Ecotourism may result in new job opportunities and/or higher-paying jobs in rural areas that lack such opportunities (e.g., communities in or adjacent to national parks or conservation areas).
  - E5. A country whose government may spend money on ecotourism infrastructure projects may negatively affect the overall economy because it diverts resources from other types of infrastructure investments (e.g., education, health care).
  - E6. Ecotourism can result in low-paying jobs and/or informal economy sector jobs that do not contribute positively to the overall economy of a country.
  - E7. Transnational corporations may invest in ecotourism in a country, while sending the profits back to their headquarters, depriving the country of that income.
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- (F) Using data from the table, explain how access to clean-burning fuels for people's homes relates to the life expectancy of a country's population. 1 point**

Accept one of the following:

- F1. The high air pollution mortality rate shown in Afghanistan (211 per 100,000 people) is connected to the low percentage of the population's access to clean-burning fuels (only 32%) contributing to a lower life expectancy (61).
- F2. Exposure to air pollution may cause diseases and/or health issues among people with weakened immune systems and deaths (fatalities) from these diseases, which may result in high mortality rates and/or shorter life expectancies as seen in the data for Afghanistan.
- F3. The life expectancy in Brazil (69) is slightly higher than Afghanistan (61) and/or lower than Finland (81) and may be related to the high number of the country that has access to clean burning fuels (Brazil with 96%).
- F4. The low air pollution mortality rate and/or longer life expectancy (81) shown in Finland is connected to the fact that all (100%) of the population has access to clean-burning fuels.

Responses must indicate a country or a specific statistic from the table.

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- (G) Explain how ONE of the countries in the table would be classified according to Rostow's stages of economic growth. 1 point**

Accept one of the following:

- G1. Afghanistan is in Stage 1 (traditional society) or 2 (transitional stage/preconditions for take-off), or lower stages, because it has one or more of the following characteristics: high percentage of labor force in agriculture, low GNI per capita, low HDI ranking, and/or its economy is mainly focused on farming and natural resource extraction.
- G2. Brazil is in Stage 3 (take-off) or 4 (drive to maturity), or middle stages, because it has one or more of the following characteristics: low agricultural employment, high income disparity, a weak social welfare system, a diversified economy that increasingly focuses on services, and/or an industrial economy that exports natural resources, processed agricultural goods, vehicles, and other manufactured products.
- G3. Finland is in Stage 4 (drive to maturity) or 5 (high mass consumption), or higher stages, because it has one or more of the following characteristics: a high GNI per capita, a high HDI ranking and/or a strong social welfare system, a postindustrial economy, and/or Finland's economy is focused on services and technology.

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**Total for question 2: 7 points**