

2021

AP[®]

 CollegeBoard

AP[®] Human Geography

Free-Response Questions

Set 1

HUMAN GEOGRAPHY

SECTION II

Time—1 hour and 15 minutes

3 Questions

Directions: You have 1 hour and 15 minutes to answer all three of the following questions. It is recommended that you spend approximately one-third of your time (25 minutes) on each question. It is suggested that you take up to 5 minutes of this time to plan and outline each answer. You may plan your answers in this orange booklet, but no credit will be given for anything written in this booklet. **You will only earn credit for what you write in the separate Free Response booklet.**

Question 1

1. Dairy farming is a type of intensive agriculture. In recent decades, dairy farming and the ways in which dairy products are made have changed significantly.
 - A. Define intensive agriculture.
 - B. Describe the change over time in the numbers and sizes of family-run dairy farms.
 - C. Explain how economies of scale are used to maximize profitability in dairy farming.
 - D. Explain a recent trend in the location of dairy farms with respect to consumer locations.
 - E. Explain ONE way in which a complex commodity chain connects large-scale dairies to consumers.
 - F. Explain ONE way in which small-scale dairy farms can specialize to compete with large-scale dairies.
 - G. Explain an environmental sustainability problem that results from the production of dairy on large-scale farms.

Begin your response to this question at the top of a new page in the separate Free Response booklet and fill in the appropriate circle at the top of each page to indicate the question number.

Question 2**WORLD CITIES, RANKED IN THE GLOBAL CITIES INDEX, 2017**

Rank	Score	City
1	63.2	New York City
2	62.9	London
3	53.2	Paris
4	47.4	Tokyo
5	44.7	Hong Kong
6	39.1	Singapore
7	38.3	Chicago
8	38.1	Los Angeles
9	37.0	Beijing
10	34.4	Washington, D.C.

Score Breakdown	Percent of Score
Business activity	30%
Human capital	30%
Information exchange	15%
Cultural experience	15%
Political engagement	10%

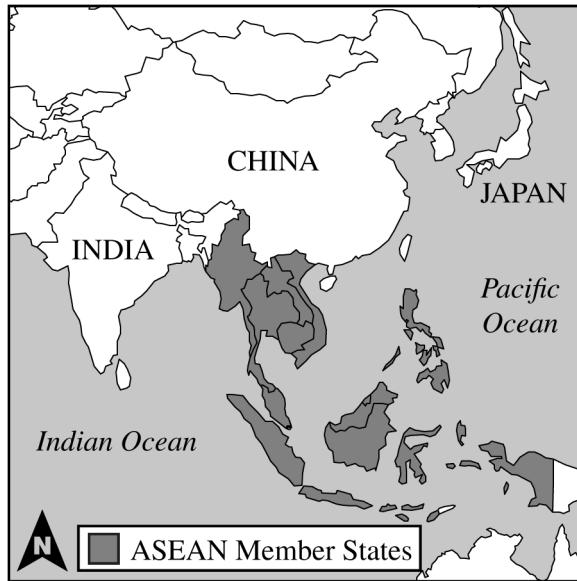
Source: A.T. Kearney

2. The data table shows the relative rankings of 10 world cities, as reported in the global cities index. The global cities index is scored using the criteria shown, where each category is weighted as to its importance to the overall score.
- Describe the world city concept in the context of globalization.
 - Explain the importance of world cities as nodes in the hierarchical diffusion of a globalized culture.
 - Explain ONE way the Internet may interrupt the hierarchical diffusion of a globalized culture.
 - Explain ONE difference between world cities and metacities.
 - Using the data in the table, explain ONE limitation of the world city classification system in reflecting current patterns of global urban development.
 - Using the data in the table and the scoring criteria, explain ONE reason for the difference in scores between London and Washington, D.C.
 - Explain ONE way economic linkages among world cities may create risks during global financial crises.

Begin your response to this question at the top of a new page in the separate Free Response booklet and fill in the appropriate circle at the top of each page to indicate the question number.

Question 3

ASSOCIATION OF SOUTHEAST ASIAN NATIONS (ASEAN)



Source: ASEAN and Natural Earth GIS

ECONOMIC DATA FOR SELECTED COUNTRIES AND SUPRANATIONAL ORGANIZATIONS

Country	Population (2017)	Gross Domestic Product (2017, in United States dollars)	Ten-Year Gross Domestic Product Growth (2008 to 2017)
China	1,409 million	\$12.2 trillion	245%
India	1,339 million	\$2.6 trillion	117%
ASEAN countries combined	636 million	\$2.8 trillion	106%
Brazil	209 million	\$2.0 trillion	47%
United States	324 million	\$19.3 trillion	34%
Japan	127 million	\$4.8 trillion	8%
European Union countries combined	512 million	\$17.2 trillion	−3%

Source: World Bank, United Nations Statistics Division, EUROSTAT

3. The Association of Southeast Asian Nations (ASEAN) is a supranational organization.
- A. Describe the concept of a supranational organization.
 - B. Using the gross domestic product (GDP) data in the table, explain ONE economic benefit to a country that joins ASEAN.
 - C. Using the ten-year GDP growth data in the table, explain ONE way that membership in ASEAN will affect the quality of life for citizens in member states.
 - D. Explain ONE political advantage for countries that join a supranational organization, and explain ONE political disadvantage for countries that belong to supranational organizations.
 - E. Define the concept of economy of scale.
 - F. Using the data in the table, explain how economies of scale are important to understanding ASEAN's competitiveness with Japan and China.

Begin your response to this question at the top of a new page in the separate Free Response booklet and fill in the appropriate circle at the top of each page to indicate the question number.

STOP

END OF EXAM