2020 United States Geography Championships - Written Examination (Middle School)

Student Name _____   School _____

General instructions - Respond to each of examination questions in the space provided. Only answers written in the appropriate space on the answer document will be marked. Where appropriate, you should write sentences or phrases instead of single words. If a question or section asks for a specific number of reasons or answers, give only the number of answers specified. Please write clearly and legibly.

Section 1 - [10 points]

1. In a paragraph, describe the effect of immigration on the demographics of the United States since 1965. Be as specific as possible. (5 points)

2. In a paragraph, describe the effect of immigration on the economy of the United States since 1965. Be as specific as possible. (5 points)

Section 2 - [15 points]

3. Are the landforms marked 3-7 on this picture made by deposition or erosion? (2 points)

4. If the arrow in the picture is pointing East, what direction is the longshore drift? (2 points)

5. Define the term longshore drift. (3 points)

6. Match the following landforms with the appropriate numbers – tombolo, spit, lagoon, wave-built platform, wave-cut terrace (5 points)

7. Define the term tombolo. (3 points)

Section 3 - [15 points]

8. Define the term 'smart city'. (3 points)
9. Which of the following are key to the development of smart cities around the world? Select all that apply. Public transportation, cellphones, bicycle-sharing systems, parks and green space, flexible street lighting, highway construction, WiFi networks, new suburbs, electric car infrastructure (6 points)

Answer the following true / false statements. (4 points)
10. Smart grid technology helps integrate wind and solar power into existing power grids in smart cities.
11. Most smart cities ban ridesharing services like Uber and Lyft.
12. Smart cities usually ban the collection of cellphone data from their citizens.
13. Cities like Singapore, Taipei and Shanghai are leaders in the smart city movement.

14. What are two reasons that the use of CCTV cameras (video surveillance systems) in smart cities would be controversial? (2 points)

Section 4 - [10 points]

15. Match the following environments with their climate graphs. Tropical rainforest, temperate rainforest, coniferous forest, temperate deciduous forest (4 points)

16. This graph represents the city of Mangalore, India. Based on the graph, describe the rainfall and temperature patterns in this city. (2 points)

17. What is the term for the type of rain received by cities like Mangalore? (1 point)

18. This graph represents the city of Tindouf, Algeria. Based on the graph, describe the rainfall and temperature patterns in this city. (2 points)

19. In what type of climate is Tindouf, Algeria located? (1 point)