

**United States Geography Challenge
A Set Qualifying Exam – 2020-2021**

Name _____

School _____

Grade _____

Email address _____

**Instructions - Circle the correct answer or leave it blank.
Correct answers are worth 2 points. Incorrect answers are
worth –1 point. Questions left blank are worth 0 points.**

Questions 1-10 refer to images 1 and 2 in the resource section of the examination.

1. Which of the following best describes the demographic transition model?

- A. it illustrates the transition of societies from less sophisticated to more sophisticated forms of government and economic development
- B. it is a graphic representation of the interaction of population changes and economic and social development
- C. it captures the relative health and stability of a society over time, measured by income levels and immigration
- D. it does not account for factors like education level on population growth
- E. it expects the population of the world to shrink in the second half of the twenty-first century

2. Which of the following populations would have been the first to emerge from stage one of the demographic transition model?

- A. the United States
- B. North Africa
- C. Western Europe
- D. the Middle East
- E. East Asia

3. Which of the following numbers in image 1 indicates death rate?

- A. 1
- B. 2
- C. 3
- D. both 1 and 3 show death rate in different stages
- E. death rate is not illustrated on this chart

4. According to the image, total population will begin to increase naturally in stage 2 when which of the following occurs?

- A. birth rate spikes with little change in death rate
- B. birth rate increases slowly while death rate decreases slowly
- C. birth rate and death rate remain relatively constant
- D. birth rate remains relatively constant while death rate falls rapidly
- E. waves of immigration begin

5. Some demographers predict that which of the following will happen to countries in stage 5, contrary to the information in the graph?

- A. that there will be a rapid increase in in population

- B. that population will increase slowly
- C. that population will remain constant
- D. that population will slowly decrease
- E. there is broad consensus that the depiction in the graph is accurate

6. All of these are true of the link between industrialization and demographic transition EXCEPT which of the following?

- A. it is exclusively linked to stage 2
- B. it usually results in an increase in population as countries industrialize
- C. mechanization of agriculture will eventually result in fewer children needed to produce food
- D. it will bring about a decrease in the death rate
- E. late-stage industrial economies should experience a decrease in population

7. All of these are true of demographics in the United States EXCEPT which of the following?

- A. the United States did not experience the high death rates of most countries in its earliest stages of development
- B. the United States experienced exponential population growth between the 1790s and about 1900
- C. one of the reasons for the unique demographic development of the United States was its surplus of land
- D. death rates in the American South remained high into the late nineteenth century
- E. the United States currently has relatively high fertility and mortality rates compared to other developed nations

8. Given the population pyramids in image 2, which of the following illustrates a rapidly growing population?

- A. A
- B. B
- C. C
- D. D
- E. none of these represent a rapidly growing population

9. Which of these population pyramids represents a previously stable population that has begun to decrease?

- A. A
- B. B
- C. C
- D. D
- E. none of these represents a population with those characteristics

10. What country would be most likely to have a population graph similar to the one labeled D?

- A. the United States
- B. Japan
- C. Peru
- D. Mexico
- E. Afghanistan

Questions 11-16 refer to image 3 in the resource booklet.

11. Where are the farms depicted in the image most likely located?

- A. the United Kingdom
- B. Brazil
- C. Indonesia

- D. Libya
- E. India

12. This image shows farms irrigated by which of the following methods?

- A. sub-irrigation
- B. drip irrigation
- C. lateral move irrigation
- D. surface irrigation
- E. center pivot irrigation

13. Similar fields in Libya, as well as those in places like Kansas, are often irrigated using which of the following resources?

- A. oases
- B. desalinated water
- C. rainwater
- D. fossil water
- E. grey water

14. In Libya, the Great Manmade River is being built to tap into the vast but nonrenewable water resources of which of the following?

- A. the Nubian Sandstone Aquifer System
- B. the Ogallala Aquifer
- C. the Kalahari Desert aquifers
- D. the subterranean Lake Vostok
- E. the extensive system of natural oases in the country

15. Farms practicing the type of agriculture and irrigation methods pictured would use all of these EXCEPT which of the following?

- A. fertilizers and pesticides
- B. mechanized agriculture
- C. the planting of multiple crops per year to decrease fallow periods
- D. data and detailed analysis of growing conditions
- E. terraced fields and semiaquatic crops

16. Environmental effects of this type of extensive irrigation include all of these EXCEPT which of the following?

- A. soil salination
- B. reduced crop yields
- C. waterlogging
- D. overdrafting
- E. negative effects on downstream water users

Questions 17-23 refer to images 4, 5, 6 and 7 in the resource booklet.

17. These maps, in which geographic size is altered based on a specific set of criteria or variable, are referred to by what term?

- A. choropleth
- B. isoline
- C. cartogram
- D. dasymetric
- E. projection

18. Given that the criteria used to alter geographic size for these maps is religion, which of the maps must represent Christianity?

- A. 1
- B. 2

- C. 3
- D. 4

E. it is impossible to tell from the information provided

19. Map 2 represents which of the following religious groups?

- A. Roman Catholicism
- B. Hinduism
- C. Islam
- D. Judaism
- E. traditional or native religions

20. Roughly how many people in the world currently identify as Muslim?

- A. over 3 billion
- B. roughly 2 billion
- C. about 1 billion
- D. about 500 million
- E. about 250 million

21. Which of these maps represents those who identify as secular or nonreligious?

- A. 1
- B. 2
- C. 3
- D. 4
- E. none of these represent nonreligious people

22. Which of these countries identifies as the least religious by a fairly large margin?

- A. France
- B. the UK
- C. Russia
- D. China
- E. Canada

23. This type of mapping would be particularly useful in visualizing which of the following?

- A. the results of a US presidential election
- B. navigation routes on the open sea
- C. the spread of a communicable disease
- D. immigration patterns between two parts of the world
- E. transportation networks within a city

24. The diffusion of rap music in the United States in the 1970s and 1980s is an example of which of the following?

- A. local diffusion
- B. relocation diffusion
- C. contagious diffusion
- D. stimulus diffusion
- E. hierarchical diffusion

25. Idiographic research applies to which of the following?

- A. a single geographic location or group
- B. weather patterns in a given region
- C. cultural and linguistic diffusion through migration
- D. economic ties between nations
- E. the entire world

26. In the world-systems model, core countries are mainly located in which of the following regions?

- A. East Asia
- B. North America and Europe

- C. Central and South America
- D. North Africa
- E. the Middle East

27. All of these are pull factors for migration EXCEPT which of the following?

- A. religious freedom
- B. economic opportunity
- C. established familial ties
- D. political unrest
- E. educational choice

28. Which of these are primary economic activities?

- A. the exchange of goods and services
- B. technological innovation
- C. sales and marketing
- D. manufacturing finished goods
- E. extraction of natural resources

29. In the gravity model, which of the following describes the relationship between population and distance?

- A. they are directly related
- B. they are inversely related
- C. their relationship is determined by a host of other factors
- D. they do not affect each other at all
- E. their relationship is not described by the gravity model

30. All of these are examples of edge cities in the United States EXCEPT which of the following?

- A. Tysons Corner, VA
- B. Plano, TX
- C. Baton Rouge, LA
- D. Century City, CA
- E. Rosslyn, VA

31. Which of the following assumptions underlies the Von Thunen model of land use?

- A. land values decrease as distance from the center increases
- B. most profitable farming is done on the periphery
- C. roads and natural features are assumed to be part of the landscape
- D. distance to market is not a factor in land use
- E. all of these are assumed by the Von Thunen model

32. Which of the following best describes cartographic scale?

- A. the type of projection used
- B. the overall physical size of the map
- C. the ratio of the distance on the map to the distance on the ground
- D. the type of units used on the map
- E. the method used on the map to indicate elevation changes

33. According to the United Nations, which of the following nationalities has the world's largest diaspora?

- A. Armenians
- B. Russians
- C. Mexicans
- D. Cubans
- E. Indians

34. All of these are true of human spatial behavior EXCEPT which of the following?

- A. daily patterns of movement for most people are predictable
- B. people move often within their local environment
- C. transportation is a limiting factor on movement
- D. people usually travel long distances for basic necessities
- E. hazards can affect movement patterns

35. Transnational corporations take advantage of all of these EXCEPT which of the following when choosing to locate their manufacturing operations in different countries?

- A. differences in tax laws
- B. differences in wages
- C. differences in environmental regulations
- D. market share for their products in their home country
- E. the availability of natural resources

36. Which of the following is used in GIS to represent data elements of the same type?

- A. projections
- B. thematic layers
- C. series maps
- D. climatic maps
- E. cadasters

37. CAFOs are most closely associated with which of the following?

- A. large-scale irrigation operations
- B. intensive, industrial livestock production
- C. organic farming
- D. aquaculture crops
- E. traditional farming methodology

38. Which of these is a satellite-based navigation system owned by the United States government?

- A. GIS
- B. USMCA
- C. GPS
- D. DARPA
- E. GLONASS

39. Which of the following is an example of a syncretic religion?

- A. Orthodox Christianity
- B. Judaism
- C. Santeria
- D. Shinto
- E. Hinduism

40. Médecins Sans Frontières and the International Red Cross are nongovernmental organizations that mainly address which of the following?

- A. public health
- B. education
- C. infrastructure development
- D. economic development
- E. environmental issues

41. All of these are partially recognized states that may be considered part of a frozen conflict EXCEPT which of the following?

- A. Transnistria
- B. Abkhazia
- C. South Ossetia

- D. Bosnia and Herzegovina
- E. Western Sahara

42. Which of the following is true of the United States since 1965?

- A. it has become much more ethnically diverse, especially in the last 30 years
- B. it has become less ethnically diverse
- C. it has seen its racial and ethnic makeup remain relatively stagnant
- D. its population has only increased by about 50 million people
- E. its population has remained relatively stagnant

43. Which of these best defines a pidgin?

- A. specialized professional vocabulary in a given language
- B. a constructed auxiliary language
- C. a stable natural language developed from a mixture of different languages that can be used as a first language
- D. the grammar of a language
- E. a simplified means of communication that develops between two or more groups that do not have a language in common

44. Which of the following best describes the import-export economy of the United States?

- A. it is the largest importer and exporter of goods in the world
- B. it is the largest importer and second-largest exporter in the world
- C. it is the second-largest importer and largest exporter in the world
- D. it is the largest importer but does not rank in the top ten in exports because its economy is service based
- E. it does not rank in the top five of either category

45. Which of the following is a primate city?

- A. Mexico City, Mexico
- B. Washington, DC
- C. Lyon, France
- D. Manchester, UK
- E. Saint Petersburg, Russia

46. Which of the following was most responsible for the rapid collapse of many Native American civilizations during the era of European colonization?

- A. forced enslavement
- B. famine brought about by changes in agriculture
- C. drought
- D. warfare
- E. diseases brought from Europe

47. Which of these countries does not rank in the 'very high human development' category on the HDI?

- A. Croatia
- B. Hungary
- C. Estonia
- D. North Macedonia
- E. Georgia

48. Which of these best defines a multinational state?

- A. a sovereign state that comprises two or more nations
- B. a nation spread across two continents
- B. an ethnically diverse nation
- C. a confederation with a written constitution

D. a republic with several smaller subnational units

49. The line separating two language areas is known by which of the following terms?

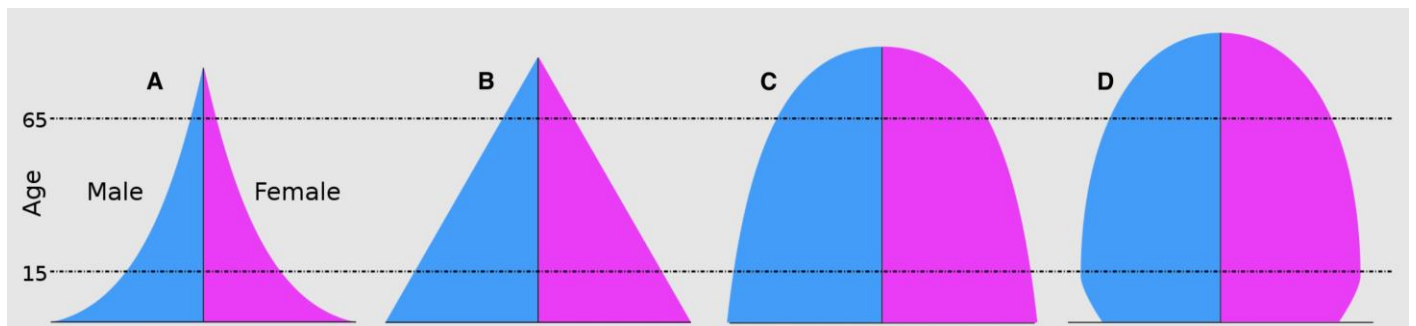
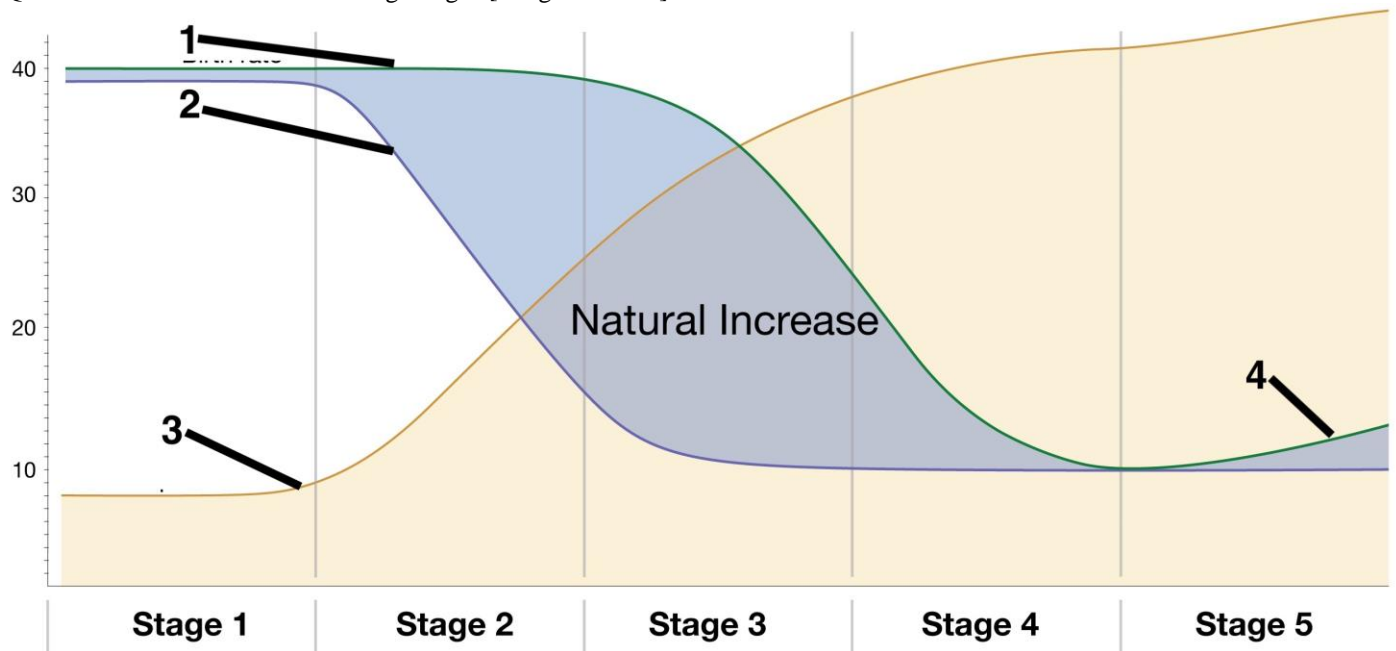
- A. language isolate
- B. linguistic border
- C. dialect continuum
- D. language island
- E. lingua franca

50. In Rostow's economic development model, which of the following characterizes a society in economic maturity?

- A. primary economic activity and low technology
- B. cash crop farming and social mobility
- C. early stages of industrialization and urbanization
- D. development of transportation and social infrastructure
- E. disposable income and high consumption

Resource Section

Questions 1-10 refer to the following images [Images 1 and 2]



Questions 11-16 refer to the following image [Image 3]



Questions 17-22 refer to the following images [Images 4,5,6 and 7]

