

## 2018 International Geography Bee International Geography Exam - Part 4

**Instructions** – This portion of the IGB Exam consists of 100 questions. You will receive two points for a correct answer. You will lose one point for an incorrect answer. Blank responses lose no points. Please fill in the bubbles completely on the answer sheet. You may write on the examination, but all responses must be bubbled on the answer sheet. Diacritic marks such as accents have been omitted from place names and other proper nouns. You have one hour to complete this set of multiple choice questions.

1. All of these are true of the demographic transition model EXCEPT which of the following?

- A. it traces the development of a society from pre-industrial to industrial
- B. it tracks birth and death rates of each stage of development
- C. it originally had four stages, but recent studies have included a fifth to account for post-industrial societies
- D. it expects the birth rates of industrial and post-industrial societies to increase

2. Which of the following populations was the first to emerge from stage one of the demographic transition model in the late eighteenth century?

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

3. In stage two of the demographic transition model, which of the following would be expected to happen?

- A. death rates would decline due to improved health care, sanitation and nutrition
- B. birth rates would decline due to access to contraception and family planning
- C. birth rates would increase sharply for economic reasons
- D. death rates would increase sharply due to pollution and poor living conditions

4. All of these countries have a birth rate below replacement level EXCEPT which of the following?

- A. Germany
- B. Japan
- C. Mexico
- D. Italy

5. In which of these areas are tornadoes the most common?

- A. North Africa
- B. the Great Plains of the United States
- C. Eastern Europe
- D. Central Asia

6. Which of the following measures the intensity of a tornado?

- A. the Saffir-Simpson scale
- B. the Beaufort scale
- C. the Enhanced Fujita scale
- D. the Richter scale

7. Most intense tornadoes develop from a type of thunderstorm known as which of the following?

- A. a thunderhead
- B. a supercell
- C. a waterspout
- D. an eyewall

8. Which of these countries has more deaths from tornadoes per year on average than any other?

- A. the United States
- B. Bangladesh
- C. the Netherlands
- D. the United Kingdom

9. Lake Assal, the lowest point in Africa, is located in what nation?

- A. Chad
- B. Ethiopia
- C. Djibouti
- D. Niger

10. Which of these countries has the highest annual precipitation?

- A. Somalia
- B. South Africa
- C. Chad
- D. Sierra Leone

11. Vredefort Crater is significant for which of the following reasons?

- A. it contains a massive saltwater lake
- B. it is the largest verified impact crater on earth
- C. it is the most important center of the diamond mining industry in South Africa
- D. it is the source of the Orange River

12. Lake Tana in Ethiopia is the source of which of the following?

- A. the White Nile
- B. the Congo
- C. the Niger
- D. the Blue Nile

13. Which of these regions hosts the largest terrestrial mammal migration in the world?

- A. the Okavango Delta
- B. the Serengeti
- C. Mount Kilimanjaro
- D. the Nile Delta

14. The Okavango Delta in Botswana is notable for which of the following features?

- A. it is an inland delta that does not flow into any ocean or sea
- B. it is more saline than the surrounding ocean water
- C. it is the largest river delta in Africa
- D. it has a higher water flow rate than the Amazon

15. Which of these is the largest bi-national conurbation between the United States and Mexico?

- A. Laredo-Nuevo Laredo
- B. El Paso-Ciudad Juarez
- C. San Diego-Tijuana
- D. Brownsville-Matamoros

16. San Jose is the capital of what Central American nation?

- A. Costa Rica
- B. Belize
- C. Guatemala
- D. Honduras

17. All of these are notable of the cuisine of Argentina EXCEPT which of the following?

- A. there is a large influence of European immigration on the cuisine of Argentina
- B. the country has the highest consumption of red meat in the world, traditionally prepared as asado, a type of barbeque
- C. wine is rarely consumed, with beer being the alcoholic beverage of choice among most Argentines
- D. empanadas, pastries filled with meat, vegetables or other fillings, are commonly eaten

18. Uruguay ranks first in Latin America in all of these categories EXCEPT which of the following?

- A. low perception of corruption on the Corruption Perceptions Index
- B. peace on the Global Peace Index
- C. income inequality based on Gini coefficient
- D. absence of terrorism on the Global Terrorism Index

19. Which of these Latin American nations is the most populous Spanish-speaking nation in the world?

- A. Argentina
- B. Colombia
- C. Peru
- D. Mexico

20. Which of the following lines runs through the Prime Meridian in Greenwich, England?

- A. 0° longitude
- B. 180° longitude
- C. 100° north latitude
- D. the equator

21. Tsai Ing-wen, the president of Taiwan, is a member of what relatively new Taiwanese political party?

- A. Kuomintang
- B. Minkuotang
- C. Chinese Communist Party
- D. Democratic Progressive Party

22. Which of these is the most common religious affiliation in South Korea, selected by a majority of South Koreans on the 2015 census?

- A. Presbyterian
- B. 'not affiliated'
- C. Korean Sindo or shamanism
- D. Buddhist

23. After Honshu, which of these Japanese islands has the largest population?

- A. Hokkaido
- B. Shikoku
- C. Shimoshima
- D. Kyushu

24. According to UNESCO, the average literacy rate for UN member states is in which of these ranges?

- A. 65% to 70%
- B. 80% to 85%
- C. 95% to 100%
- D. below 65%

25. Which of these is a religious or philosophical tradition of Chinese origin which emphasizes living in harmony with 'the way'?

- A. Confucianism
- B. Shinto
- C. Taoism
- D. Buddhism

26. After the languages of the Indo-European family, which of these language families has the largest number of speakers in the world?

- A. Afro-Asiatic
- B. Sino-Tibetan
- C. Kra-Dai
- D. Dravidian

27. Which of these pairs of countries have the greatest irrigated land area in the world?

- A. Mexico and Russia
- B. Pakistan and Brazil
- C. China and India
- D. the United States and Canada

28. Which of the following is defined by the US Department of Agriculture as 'limited or uncertain availability of nutritionally adequate and safe foods or limited or uncertain ability to acquire acceptable foods in socially acceptable ways'?

- A. homelessness
- B. malnutrition
- C. food insecurity
- D. urban poverty

29. Lines on a topographic map that represent elevation above or below sea level are known by which of the following terms?

- A. vectors
- B. map lines
- C. contour lines
- D. choropleths

30. Which of these consists of a terminal moraine and outwash plains?

- A. Cape Cod
- B. Cape Hatteras
- C. the Atlantic Coast of Florida
- D. Chesapeake Bay

31. Which of these areas has on average the highest number of tropical cyclones per year?

- A. North Atlantic
- B. Eastern Pacific
- C. Western Pacific
- D. Australian Region

32. How many earthquakes above 9.0 on the Richter scale have occurred since 2000?

- A. 0
- B. 1
- C. 2
- D. 3

33. Earthquakes caused by human activity as opposed to the movement of tectonic plates are known as which of the following?

- A. seismic risk
- B. seismic front
- C. induced seismicity
- D. epicenter events

34. Jigme Khesar Namgyel Wangchuck, known as the 'Dragon King' is, the head of state of which of the following?

- A. Nepal
- B. Bhutan
- C. Maldives
- D. Afghanistan

35. The eight nations of South Asia collectively have the largest population in the world of all of these religious groups EXCEPT which of the following?

- A. Muslims
- B. Hindus
- C. Sikhs
- D. Jains

36. The most populous state in India is which of the following?

- A. Andhra Pradesh
- B. Punjab
- C. Uttar Pradesh
- D. Uttarakhand

37. All of these are landlocked countries in Europe EXCEPT which of the following?

- A. Montenegro
- B. Moldova
- C. Belarus
- D. Kosovo

38. The highest peaks in the Carpathian Mountains are all located in what country?

- A. Slovenia
- B. Poland
- C. Romania
- D. Slovakia

39. Through which national capital does the Rhine River flow?

- A. Vaduz
- B. Amsterdam
- C. Prague
- D. Berlin

40. Both the Vryovkina Cave and the Krubera Cave, the deepest caves known to exist on earth, are located in the Western Caucasus Mountains in what Autonomous Region disputed between Georgia and Russia?

- A. Transnistria
- B. Abkhazia
- C. Nagorno Karabakh
- D. South Ossetia

41. All of these are true of the state of Colorado EXCEPT which of the following?

- A. it has the highest low elevation point of any US state
- B. it has boundaries defined solely by lines of longitude and latitude
- C. its highest point is Pike's Peak
- D. it has the highest average elevation of any US state

42. The source of the Columbia River is located in which of the following?

- A. British Columbia, Canada
- B. Alberta, Canada
- C. Montana, USA
- D. Washington, USA

43. The namesake 'smoke' of the Great Smoky Mountains is caused by which of the following?

- A. actual smoke from frequent forest fires in the region
- B. haze caused by pollution from nearby factories and power plants
- C. particularly low-lying stratus clouds
- D. volatile organic compounds being exhaled by vegetation

44. Buffalo in New York and the cities of Cleveland and Toledo in Ohio are settlements on which of the following bodies of water?
- Lake Erie
  - Lake Superior
  - Lake Huron
  - Lake Ontario
45. Which of these nations of Oceania has the highest population?
- Kiribati
  - Samoa
  - Fiji
  - Vanuatu
46. Geologists theorize that New Zealand formed in which of the following ways?
- strong earthquakes
  - volcanic islands formed by hotspots
  - it is part of a sunken continent that broke off from Australia about 70 million years ago
  - subduction of major tectonic plates
47. The Antarctic Treaty System, which governs international relations on the continent, includes all of these provisions EXCEPT which of the following?
- it prohibits all military activity on the continent, including weapons testing
  - it prohibits all signatories from making territorial claims on the continent
  - it guarantees freedom of scientific investigation on the continent
  - it sets aside the continent as a scientific preserve
48. Under Chinese law, Macau and Hong Kong are classified as which of the following?
- colonies
  - dependencies
  - special administrative regions
  - reservations
49. The Kyoto Protocol is a landmark international agreement on which of the following?
- trade and commerce
  - climate change
  - the elimination of land mines
  - collective security
50. Which of these is true of the Kaesong Industrial Zone?
- it is a region of North Korea on the border with China in which Chinese companies employ North Korean workers, providing North Korea with an important source of foreign capital
  - it is North Korea's only major seaport for international trade
  - it is the only area of North Korea completely exempt from American and EU economic sanctions
  - it is a region of North Korea on the border with South Korea in which South Korean companies employed North Korean workers, providing North Korea with an important source of foreign capital
51. Which of the following best defines the term urban primacy?
- a city that is geographically situated at the center of the country in which it is located
  - one city that serves as a national capital and serves no other significant function
  - a city that serves as a cultural and economic center but is not the largest in population within its country
  - a country that has a primary city with three to four times the population of the next largest city
52. Which of these best exemplifies urban primacy?
- St. Louis, Missouri
  - Brasilia, Brazil
  - Los Angeles, California
  - Buenos Aires, Argentina
53. Which of the following is the term for the combination of high fertility and declining mortality resulting in a period of high population growth rate?
- demographic explosion
  - demographic window
  - demographic trap
  - age pyramid
54. Which of these nations is a current example of a country with this combination of high fertility and declining mortality and the resultant high population growth?
- the United States
  - France
  - Egypt
  - South Korea
55. Approximately what fraction of the earth's surface is either arid or semi-arid?
- one fourth
  - one third
  - one half
  - two thirds
56. In area, the Sahara Desert is most comparable to which of the following places?
- Russia
  - China
  - France
  - Portugal
57. Which of these borders the Gobi Desert to the west?
- the Negev
  - the Lut Desert
  - the Indus Valley Desert
  - the Taklamakan Desert
58. The Great Basin Desert is the largest on what continent?
- Antarctica
  - North America
  - South America
  - Europe

59. Which of these best characterizes the majority of the Patagonian Desert?

- A. hot, semi-arid
- B. hot, arid
- C. cold, semi-arid
- D. cold, arid

60. Which of these is the most saline body of water in the world?

- A. the Dead Sea
- B. Great Salt Lake
- C. Don Juan Pond in Antarctica
- D. Lake Assal

61. Sea ice covers roughly what percentage of the world's oceans?

- A. 7%
- B. 12%
- C. 20%
- D. 24%

62. Which of these parts of the climate system is absorbing the most heat from global warming?

- A. Arctic sea ice
- B. the oceans
- C. the atmosphere
- D. the Antarctic ice sheet

63. Which of these is the capital of the US Virgin Islands?

- A. Pago Pago
- B. Hagatna
- C. Charlotte Amalie
- D. San Juan

64. According to the IMF, all of these are true of the economy of the United States EXCEPT which of the following?

- A. its GDP is over \$15 trillion
- B. its economy constitutes nearly 25% of the gross world product at market exchange rates
- C. federal government activity accounts for over 15% of the American economy
- D. it is a postindustrial economy

65. Spoonbread, gumbo, and sweet potato pie are characteristic of the cuisine of what section of the United States?

- A. the South
- B. New England
- C. the Pacific Northwest
- D. the Great Plains

66. All of these border the state of Indiana EXCEPT which of the following?

- A. Michigan
- B. Ohio
- C. Tennessee
- D. Kentucky

67. Which of these helped protect Sri Lanka from the forces of the 2004 Indian Ocean tsunami?

- A. its coastal mountains
- B. unusual tidal forces that surround the island
- C. its vast coastal mangrove ecosystem
- D. man-made floodwalls

68. Pakistan contains all of the following climate types EXCEPT which of these?

- A. cold desert (BWk)
- B. warm Mediterranean (Csa)
- C. humid subtropical (Cwa)
- D. monsoon (Am)

69. All of these are true of Nepal EXCEPT which of the following?

- A. it experiences monsoons
- B. it is a landlocked nation
- C. it contains part of the Indo-Gangetic Plain
- D. less than 1% of the land area of the country is in the alpine zone

70. Which of the following sets of countries borders Montenegro?

- A. Croatia, Serbia, Kosovo, Bosnia and Herzegovina
- B. Slovakia, Slovenia, Czech Republic
- C. Bulgaria and Greece
- D. Romania, Bulgaria and Turkey

71. Which of these countries has the highest population growth rate in Europe?

- A. Luxembourg
- B. Cyprus
- C. Ireland
- D. Croatia

72. All of these are true about the Saarland EXCEPT which of the following?

- A. it is located in southeastern Germany
- B. it was an Italian protectorate following World War II
- C. it is the smallest state in Germany by area, except for the city-states of Berlin, Bremen and Hamburg
- D. it is an area where coal mining was an important economic activity

73. Which of these is NOT an official language of the European Union?

- A. Maltese
- B. Slovak
- C. Latvian
- D. Russian

74. All of these major cities are in areas of high seismic activity, and thus at increased risk for earthquakes, EXCEPT which of the following?

- A. New York City
- B. Mexico City
- C. Tokyo
- D. Tehran

75. The fan-shaped body of sediments deposited by braided streams from a melting glacier is known as which of the following?

- A. till
- B. outwash fan
- C. tarn
- D. terminus

76. A series of glacial lakes connected by a single stream or a braided stream system is known as which of the following?

- A. glacial lakes
- B. kettle lakes
- C. paternoster lakes
- D. tarns

77. Temperate broadleaf forests would most likely be found in what area of the United States?

- A. Kansas
- B. New Mexico
- C. Virginia
- D. Montana

78. All of these nations give more than \$10 billion in official development aid to other countries annually EXCEPT which of the following?

- A. the United States
- B. China
- C. the United Kingdom
- D. Australia

79. All of these are true of sustainable development EXCEPT which of the following?

- A. it supports modernization of infrastructure and manufacturing
- B. it supports expansion of technologies like clean coal
- C. it is strongly supported by the United Nations
- D. its principles are derived mostly from the 1987 Brundtland Report

80. Georgian is the dominant language in what non-Indo-European language families?

- A. Rhaetian
- B. Kartvelian
- C. Pama–Nyungan
- D. Japonic

81. All of these are true of tsunamis EXCEPT for which of the following?

- A. their wavelength is far shorter than sea waves
- B. they are caused by the displacement of a large volume of water
- C. they are generally caused by earthquakes, volcanic eruptions and other underwater explosions
- D. about 80% occur in the Pacific Ocean

82. Roughly what percentage of the water on earth is freshwater?

- A. 1%
- B. 2.5%
- C. 5%
- D. 10%

83. Most residents of suburbs and edge cities rely heavily on which of the following for their transportation needs in most American urban areas?

- A. biking trails and greenbelts
- B. automobiles and highway systems
- C. extensive public transportation
- D. an informal network of minibuses and private mass transit

84. Roughly what percentage of Japan is forested, mountainous and unsuitable for agricultural, industrial or residential use?

- A. 90%
- B. 75%
- C. 60%
- D. 50%

85. Which large volcanic island off the Korean Peninsula contains a natural UNESCO World Heritage Site for its volcanic landscape and lava tubes?

- A. Gado
- B. Gyeonggi
- C. Incheon
- D. Jeju

86. Which of these is the highest point in Japan?

- A. Mount Yari
- B. Mount Kita
- C. Mount Fuji
- D. Mount Aino

87. The Mei-Yu front causes which of the following in much of East Asia?

- A. mild winters and cooler than expected summers
- B. a two-month long summer rainy season
- C. dry conditions in the western part of East Asia in the fall
- D. heavy snowfall in coastal areas during most winters

88. Which of these oceans has the highest mean average depth?

- A. Atlantic
- B. Pacific
- C. Indian
- D. Arctic

89. In which of these ways does global warming affect tropical cyclones?

- A. global warming does not appreciably affect tropical cyclones
- B. they have increased in frequency and intensity over the last twenty years
- C. they have decreased in frequency but increased in intensity over the last twenty years
- D. they have decreased in frequency and intensity over the last twenty years

90. Which of these is associated with a band of warm ocean water that develops in the central and east-central equatorial Pacific?

- A. the jet stream
- B. El Nino
- C. La Nina
- D. the North Pacific Gyre

91. All of these are true of Lake Maracaibo EXCEPT which of the following?

- A. is a large brackish tidal estuary rather than a true lake
- B. it is a relatively young body of water, having been formed less than 1 million years ago
- C. Catatumbo lightning there regularly produces more lightning than any other place on the planet
- D. it is connected to the Gulf of Venezuela by Tablazo Strait

92. The Bakhuy's Mountains and the Van Asch Van Wijck Mountains are the main ranges in which South American nation?

- A. Suriname
- B. Bolivia
- C. Guyana
- D. Colombia

93. All of these are true of the Amazon River EXCEPT which of the following?

- A. it represents about 20% of the riverine discharge into the ocean
- B. its discharge rate is greater than the Nile and Mississippi combined
- C. it has a clearly defined source at Nevado Mismi peak
- D. there is an ongoing dispute as to whether the Nile or Amazon is a longer river

94. All of the following Koppen climate types are present in Canada EXCEPT which of the following?

- A. EF
- B. ET
- C. Dfc
- D. Aw

95. Which of these Central American nations contains a namesake lake once considered as a site for an inter-oceanic canal?

- A. Honduras
- B. Guatemala
- C. Nicaragua
- D. Guatemala

96. All of these serve as capitals of South Africa EXCEPT which of the following?

- A. Durban
- B. Praetoria
- C. Cape Town
- D. Bloemfontein

97. All of these nations border Zimbabwe EXCEPT which of the following?

- A. Botswana
- B. Zambia
- C. Mozambique
- D. Tanzania

98. Cabinda is an exclave claimed by what African nation?

- A. Democratic Republic of the Congo
- B. Republic of the Congo
- C. Angola
- D. Namibia

99. Casamance is the area of Senegal located directly south of what other nation?

- A. Mali
- B. The Gambia
- C. Guinea
- D. Guinea-Bissau

100. Which of the following nations would likely have over 4 million people speaking each of the spoken as a first language – Zulu, Xhosa, Afrikaans, English, Northern Sotho, Tswana?

- A. South Africa
- B. Namibia
- C. Zimbabwe
- D. Botswana