

Geography, 2016 EC, social science, entrance exam, round 1

Grade 12 · Geography · 2016 E.C.

Time allowed: 120 minutes

Questions: 82

Total marks: 82

Name _____ Grade _____ ID No. _____ Date _____

1. Which statement explains the size of the African population? (1)
 - A. is more populous than North America
 - B. is the third populous continent
 - C. has two-thirds of the world's population
 - D. has half of the population of Oceania
2. Which one of the following describes the sex structure of the African population? (1)
 - A. In the Sub-Saharan Africa, the sex ratio is below the world's mean
 - B. In Uganda, there is a balanced number of males and females
 - C. In the Sub-Saharan Africa, there are more males than females
 - D. In Guinea, the number of female births exceeds that of male births
3. Which one of the following is the main disadvantage of migration in the receiving country? (1)

A. Cultural integration	B. Reduced labor shortage
C. Ethnic tension	D. Racial interaction
4. Which statement describes the concept of economic development? (1)
 - A. Increase in the amount of total agricultural production
 - B. Improvement in the living condition of the people
 - C. Increase in the total amount of manufactured goods
 - D. Progress in the process of industrial domestic product
5. Which one of the following is a good opportunity for the development of the African continent? The availability of (1)

A. skilled labor force	B. political stability
C. foreign aid and loan	D. abundant natural resources
6. Which one shows the agricultural production of Africa? (1)
 - A. Africa is rich in tropical crops demanded in world markets
 - B. The continent produces huge amounts of temperate zone crops
 - C. It is dominated by the production of commercial crops
 - D. It is mainly carried out through irrigation systems
7. What is the effect of latitude on ecosystem diversity? Ecosystem diversity (1)
 - A. increases as we go from the equator to the poles
 - B. decreases from the poles towards the equator
 - C. remains similar wherever we go mainly due to the effect of altitude
 - D. decreases gradually when we travel from the equator to Tundra

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- 8.** Which statement refers to the trends of population growth of the world? (1)
- A. The total number of human population was about 4 billion at the beginning of the 1900s
 - B. Population growth was quite low before 5000BC mainly because of war and use of contraceptives
 - C. Rapid population growth was recorded for the first time when humans started to domesticate animals
 - D. Population growth has been constantly increasing since 5000BC because of economic diversification
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- 9.** Which physical factor positively influences the distribution of human population? (1)
- A. Expansion of industrial development
 - B. Optimum temperature and rainfall
 - C. High natural increase of human population
 - D. High relief with very high humidity
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- 10.** Which one of the following describes the level of urbanization in the world? (1)
- A. Africa has higher urban population than other developing regions
 - B. Developing regions have higher urban population than the world's average
 - C. Japan has the highest percentage of urban population
 - D. Europe has the second highest percentage of urban population
-
- 11.** Among the following zones of Ethiopia, which one is densely populated? (1)
- | | |
|-----------------|------------|
| A. East Hararge | B. Gedeo |
| C. Assosa | D. Agnewak |
-
- 12.** What will happen by 2030 if the current population growth rate of Ethiopia continues in the same trend? (1)
- A. The size of the population will be quadrupled
 - B. The population density will remain the same
 - C. The population will be evenly distributed across the country
 - D. The population will exert pressure on the available infrastructure
-
- 13.** Which economic system is criticized for allowing some groups to accumulate huge wealth and play a decisive role in the economy? (1)
- | | |
|------------|----------------|
| A. Command | B. Free market |
| C. Mixed | D. Traditional |
-
- 14.** What is the main task of the World Trade Organization? (1)
- A. It enforces regulations related to free trade agreements
 - B. It provides a framework on how to produce exportable items
 - C. It practically protects professional workers' rights
 - D. It directly puts sanctions in a sovereign country when it violates laws
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- 15.** What is the method of extracting metallic minerals from soil called? (1)
- | | |
|-----------------|-------------------|
| A. Quarrying | B. Placer mining |
| C. Strip mining | D. Surface mining |
-
- 16.** What is the major cause of Africa being unable to exploit its potential resources? (1)
- | | |
|--|--------------------------|
| A. Inappropriate allocation of resources | B. Unfavorable climate |
| C. Inadequate revenue from resources | D. Political instability |

17. Which continent is included in the Eurasian plate? (1)

- A.** North Africa **B.** Australia
- C.** Part of Asia **D.** Part of South America

18. Which landmass is formed through the convergence of two oceanic plates? (1)

- A.** The Mariana volcanic feature **B.** The Himalayas mountain
- C.** The East African rift valley **D.** The San Andreas Fault

19. What is the principal agent for the chemical weathering of rocks? (1)

- A. Glacier
B. Rain water
C. Thermal expansion
D. Cold temperature

20. Which one of the following country is found in the 'ring of fire' zone? (1)

- A. Norway
B. Brazil
C. United Kingdom
D. Peru

21. Which statement shows the trend of world climate change? (1)

- A. Temperature has declined in temperate regions since the 1970s
- B. Precipitation has increased all over the globe since the 1980s
- C. The average global temperature has increased over the past century
- D. The global climate fluctuates at the same rate

22. Which one is the effect of climate change in the tropical parts of the world? (1)

- A. predictable rainfall
B. crop yield
C. snow covers
D. frequency of drought

23. What are non-renewable resources? They are (1)

- A. replaceable resources if human beings utilize them properly
- B. resources that replenish themselves quickly
- C. resources evenly distributed across the earth's surface
- D. rare resources that will end at some time in the future

24. Which one of the following relates to the economic policies of Ethiopia? (1)

- A. Encouraging over-exploitation of fossil fuels
- B. Promoting regional administration in economic management
- C. Focusing on shifting urban labor force to rural-based economy
- D. Emphasizing on an economic system fully controlled by the state

25. In which geological Era is the rift valley of Ethiopia formed? (1)

- A.** The Paleozoic Era
- B.** The Mesozoic Era
- C.** The Cenozoic Era
- D.** The Precambrian Era

26. Which part of the earth's physical environment is referred to as the 'life zone'? (1)

- A.** The atmosphere **B.** The biosphere
C. The lithosphere **D.** The hydrosphere

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- 27.** Which one of the following is the basic characteristic of metamorphic rock? (1)
- A. It is produced from igneous rock through pressure
 - B. It is mostly created when lava freezes
 - C. It is composed of newly-deposited soil particles
 - D. It is produced from sedimentary rock through cooling
-
- 28.** Which soil type is found in an area where evaporation is high? (1)
- A. Nitosols
 - B. Solanchaks
 - C. Vertisols
 - D. Cambisols
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- 29.** Where is the highest mean annual temperature recorded? (1)
- A. The Dallol depression
 - B. The Baro lowlands
 - C. The Elkeri plains
 - D. The Ghlbe lowlands
-
- 30.** Which part of Ethiopia is in high drought probability zone? (1)
- A. Gojjam
 - B. Wellega
 - C. Afar
 - D. Guji
-
- 31.** Which physical element is the base to conduct a regional study? (1)
- A. Religion
 - B. Culture
 - C. Climate
 - D. Language
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- 32.** Which statement describes the equatorial rainforest region? (1)
- A. It forms a continuous belt around the world
 - B. It receives high amount of rainfall throughout the year
 - C. Its annual range of temperature exceeds the daily range
 - D. It is dominated by deciduous forests
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- 33.** Which one explains about the lowlands of Ethiopia? (1)
- A. They are found in between 1000-2000 m heights
 - B. Lowlands are situated at the center of the country
 - C. Tekeze occupies the floor of the rift valley
 - D. Kobar sink is the lowest place in the country
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- 34.** What characterizes the physical environment of the Tundra Region? (1)
- A. It is known for its low temperature and rainfall throughout the year
 - B. It is a densely populated region where Eskimos and Lapps are found
 - C. In area of low snow cover, all plants grow during the summer season
 - D. It is found both in the northern and southern hemispheres
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- 35.** What is the effect of advancement in transport and communication on the location of economic activities? (1)
- A. It encourages people to deliver their goods and services in person
 - B. It enables delivery and sale of perishable goods at a reasonable price
 - C. It enforces the establishment of industries where raw materials found
 - D. It shows how distance and time impact on the production of goods

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- 36.** Which area of the world is sparsely populated mainly due to physical factor? (1)
- | | |
|--------------------------|-----------------------------|
| A. Central Africa | B. Peninsular Europe |
| C. East Asia | D. South Asia |
-
- 37.** Which type of economic activities involve top-level decision making? (1)
- | | |
|-------------------------------|--------------------------------|
| A. Primary activities | B. Quinary activities |
| C. Tertiary activities | D. Secondary activities |
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- 38.** Which statement describes the concept of land use? (1)
- | | |
|--|--|
| A. Human activities related to land | B. Biophysical factors associated with land |
| C. The intensity of land in the rural areas | D. Natural factors affecting land form |
-
- 39.** When a new global pandemic occur, less developed countries can respond by (1)
- A.** letting their people resolve the crisis by themselves
- B.** allocating a large proportion of their health care budget to the crisis, establishing modernized health centers in a short period of time
- C.** establishing modernized health centers in a short period of time
- D.** penalizing the people who are caught by the disease
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- 40.** Which of the following is a challenge to environmental sustainability? (1)
- | | |
|-----------------------------------|-------------------------------------|
| A. Use of renewable energy | B. Slow growth of population |
| C. Environmental movements | D. Rapid urbanization |
-
- 41.** Which environmental movement focuses on preventing human-induced damage to the natural environment? (1)
- | | |
|--|---|
| A. Free market environmentalism | B. Preservation and conservation |
| C. Light Greens | D. Popular environmentalism |
-
- 42.** Which one is a good practice to minimize the effects of drought? (1)
- | | |
|--------------------------------|-------------------------|
| A. Water harvesting | B. Intercropping |
| C. Reducing overgrazing | D. Fallowing |
-
- 43.** What is the importance of conducting research on an environmental problem? (1)
- | | |
|---|--|
| A. To document the types of problems | B. To create awareness about research |
| C. To address varied ecological settings | D. To investigate causes of the problem |
-
- 44.** Which sub-section of the quantitative research approaches are used to test a given geographical theory? (1)
- | | |
|----------------------------------|---------------------------------|
| A. Action research | B. Ethnographic research |
| C. Correlational analysis | D. Case study |
-
- 45.** Which sphere of the earth contains important minerals? (1)
- | | |
|-----------------------|-----------------------|
| A. Hydrosphere | B. Lithosphere |
| C. Biosphere | D. Atmosphere |
-
- 46.** Which type of extrusive land feature is formed by volcanism? (1)
- | | |
|---------------------|-------------------|
| A. Batholith | B. Sill |
| C. Dike | D. Caldera |

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- 47.** Which statement describes the process of faulting? (1)
- A. Reverse fault is normally associated with strong tensional forces
 - B. Compressional crack results in the formation of normal faulting
 - C. Normal faults develop under the predominant tensional forces
 - D. Faulting is a process which is mainly caused by human activities
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- 48.** What is the type of land feature cut off from the sea by sand banks? (1)
- A. Beach
 - B. Tombolo
 - C. Spit
 - D. Lagoon
-
- 49.** How is conventional rainfall formed? (1)
- A. When moist and less dense air is forced to rise upward.
 - B. When dry air forced to rise above a mountain.
 - C. When cold and warm air masses meet at the front.
 - D. When warm and dry air descend a mountain.
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- 50.** What is the effect of Coriolis force on wind direction? It causes (1)
- A. winds to bend to the left in the northern hemisphere.
 - B. winds to turn to the right in the southern hemisphere.
 - C. anti-cyclones to move clockwise direction in the southern hemisphere.
 - D. cyclones to move clockwise direction in the southern hemisphere.
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- 51.** Which one of the following ocean current has a cooling effect on the southwestern part of Africa? (1)
- A. The Mexican Gulf stream
 - B. The Benguela current
 - C. The Canary current
 - D. The Mozambique current
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- 52.** Which statement explains about the pressure belts of the world? (1)
- A. Horse latitude is an area of high air pressure.
 - B. Doldrums is a high pressure belt.
 - C. Sub polar is an area of high air pressure.
 - D. Polar high is known as 'belt of calm'.
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- 53.** Which statement relates to theories on population growth and development? (1)
- A. Malthusian theory stresses that food production exceeds population growth.
 - B. Neo-Malthusianism asserts that socio-economic problems are solved by reducing birth rate.
 - C. Ester Boserup believes that there is a strong linkage between poverty and population growth.
 - D. Marxians believe that population growth causes technological development.
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- 54.** Which statement is about population growth control practices? (1)
- A. India ratified a child-tax policy.
 - B. China supports women to have large families.
 - C. Most African countries have a one-child policy.
 - D. Kenya encourages a national family planning policy.
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- 55.** Which one of the following is an indicator of social development? (1)
- A. Gross Domestic Product
 - B. Per-capita income
 - C. Literacy rate
 - D. Infant mortality rate

56. What is the effect of rapid population growth on the socio-economic progress of developing countries? (1)

- A.** Expansion of economic choices
- B.** Formation of a healthy environment
- C.** Abundance of life sustaining goods
- D.** Incidence of widespread food insecurity

57. According to the behavioral approach, which one is the cause of poverty? (1)

- A. Good performance in the work place
- B. Rational attitude towards wealth
- C. Weakness to change the sense of inability
- D. Non-violent dispute resolution

58. What is the type of corruption committed by a public official to make decisions by receiving money? (1)

- A. Burglary
B. Stealing
C. Theft
D. Bribery

59. Which one describes the elements of weather and climate in Africa? (1)

- A. Its northern part is characterized by high rainfall throughout the year.
- B. Its northern part has maritime climate due to the influence of the sea.
- C. Its latitudinal position is the factor for the low income solar radiation.
- D. Its temperature is influenced by the presence of mountain and plateau.

60. What is the effect of the Mozambique Ocean current on the south eastern coastal areas of Africa? (1)

- A. Freezing
B. Drying
C. Moisturizing
D. Cooling

61. In which coastal areas of Africa is the tropical maritime climate located? (1)

- A. North western B. South western
C. North eastern D. South eastern

62. As compared to others, which climatic region of Africa shows lower seasonality? (1)

- A.** The Equatorial
- B.** The Mediterranean
- C.** The Tropical desert
- D.** The Tropical continental

63. Which one of the following artificial lakes is found in Ghana? (1)

- A. Lake Kariba B. Lake Volta
C. Lake Nasser D. Lake Kainiji

64. Which type of vegetation is available in the desert areas? (1)

- A.** Vegetation having wide leaves **B.** Thick and dense canopy vegetation
- C.** Vegetation having small-sized leaves **D.** Broad-leaved evergreen trees

65. In which climate region is the Gorilla typically found? (1)

- A.** The Equatorial rainforest
- B.** The Mediterranean climate zone
- C.** The Desert climate region
- D.** The Savanna climate zone

66. Which factor significantly contributes for the African elephant to be on the verge of extinction? (1)

- A. Deforestation
B. Poaching
C. Drought
D. Wildfire

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- 67.** Which one of the following geographic study is addressed by the Topical Approach? (1)
- A. Studying the physical characteristics of the rift valley of Ethiopia
 - B. Identify the major socio-economic characteristics of African countries
 - C. Investigating the spatial distribution of rainfall in the world
 - D. Studying the economic activities and climatic conditions of Ethiopia
-
- 68.** Which one of the following states about Applied Geography? (1)
- A. It emphasizes on developing mathematical equations and models.
 - B. It employs geographic knowledge to solve socio-economic problems.
 - C. It solves geographic problems primarily using qualitative techniques.
 - D. It focuses mainly on statistical techniques in geographical research.
-
- 69.** What is the common area of study between geography and sociology? (1)
- A. Distribution and interaction of cultures
 - B. Past economic activities of a society
 - C. Expansion of urban areas and cities
 - D. Distribution and growth of the population
-
- 70.** Which kind of town serves as a center of financial services? (1)
- A. Industrial town
 - B. Mining towns
 - C. Market town
 - D. Commercial town
-
- 71.** Which statement describes the size of Africa? (1)
- A. It covers about one-fourth of the world's area.
 - B. It is the largest continent of the world.
 - C. It is larger than Europe and Antarctica put together.
 - D. It is about two-thirds of South America.
-
- 72.** What makes the regions of Africa similar from the socio-economic and geopolitical points of view? (1)
- A. They depend mainly on mechanized agriculture.
 - B. Each region has direct access to the sea.
 - C. In each region, about two-thirds of the population lives in urban areas.
 - D. There is a strong political integration among the regions.
-
- 73.** What is the major geological event that occurred during the Cenozoic Era in Africa? (1)
- A. The formation of the present landscape of Africa
 - B. The formation of crystalline basement complex and rocks
 - C. The recording of a series of denudation and peneplanation
 - D. The split of the super continent Pangaea
-
- 74.** Which typical relief feature is more dominantly found in Africa than in Europe? (1)
- A. Plains
 - B. Plateaus
 - C. Mountains
 - D. Hills
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- 75.** Which one of the following has widely been practiced as a climate change adaptation strategy in Ethiopia? (1)
- A. Use of mass transportation
 - B. Dam construction
 - C. Tree plantation
 - D. Electric car utilization

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- 76.** Which statement describes the Kyoto protocol adopted in 1997? (1)
- A. It set compulsory goal to reduce greenhouse emission.
 - B. It was successful in reducing global greenhouse gases.
 - C. The USA took the lead in ratifying the agreement.
 - D. It was ratified by every nation of the world.
-
- 77.** On which issues of climate change have the world leaders agreed? (1)
- A. To encourage natural gas and fuel consumption
 - B. To conduct social forestry activities
 - C. To penalize countries that depends on fossil fuel
 - D. To reduce emission of greenhouse gases
-
- 78.** Which one describes the concept of sustainable development? (1)
- A. Realizing environmental-friendly socio-economic development
 - B. Improving human welfare at the expense of the environment
 - C. Prioritizing good governance regardless of economic development
 - D. Promoting a male-controlled socio-economic development
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- 79.** Which of the following is categorized as a non-renewable resource? (1)
- | | |
|-----------------|---------|
| A. Solar energy | B. Coal |
| C. Air | D. Soil |
-
- 80.** What is the main cause of conflict over natural resources such as the River Nile? (1)
- | | |
|--------------|-------------------|
| A. Political | B. Administrative |
| C. Social | D. Legal |
-
- 81.** Which one of the following plays a decisive role to govern natural resources sustainably? (1)
- A. Giving exclusive rights to the government in managing resources
 - B. Fostering top-down decision making in resource management
 - C. Prioritizing the participation of males in resource management
 - D. Encouraging indigenous resource management systems
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- 82.** What is the main characteristic of indigenous conflict resolution practices in Ethiopia? (1)
- A. Most of them are mainly based on written laws.
 - B. Pastoralists use identical resolution mechanisms.
 - C. The issue is concluded in reconciliation and harmony.
 - D. It passes lengthy processes to bring about reconciliation.

— END OF EXAMINATION —