



YEKA SUBCITY EDUCATION OFFICE
DEJAZMACH WONDIRAD SECONDARY SCHOOL CLUSTER

YEKA SUB CITY EDUCATION OFFICE
D/WONDIRAD SECONDARY SCHOOL CLUSTER CENTER
2016 E.C FIRST SEMESTER GRADE 12 GEOGRAPHY MODEL
EXAMINATION

NUMBER OF ITEMS: 115

TIME ALLOWED: 2 HOURS

GENERAL DIRECTIONS

THIS BOOKLET CONTAINS **GEOGRAPHY** EXAMINATION. IN THIS EXAMINATION, THERE ARE A TOTAL OF **115 MULTIPLE CHOICE QUESTIONS OUT OF WHICH SIGHTED (NON-VISUALLY IMPIRED) CANDIDATES ARE REQUIRED TO ATTEMPT QUESTIONS 1-100 WHEREAS THE VISUALLY IMPIRED CANDIDATES ARE REQUIRED TO ATTEMPT QUESTIONS 1-85 AND 101-115.**

THERE IS ONLY ONE BEST ANSWER FOR EACH QUESTION. SELECT THE BEST ANSWER FROM THE SUGGESTED OPTIONS AND **BLACKEN** ONLY THE LETTER OF YOUR CHOICE ON THE ANSWER SHEET PROVIDED. FOLLOW THE INSTRUCTIONS ON THE ANSWER SHEET AND THE EXAMINATION PAPER CAREFULLY. USE ONLY **PENCIL** TO MARK YOUR ANSWERS.

YOUR ANSWER MARKS SHOULD BE **HEAVY AND DARK**, COVERING THE ANSWER SPACE COMPLETELY. PLEASE ERASE ALL UNNECESSARY MARKS COMPLETLLY INCLUDING ANSWERS YOU HAVE CHANGED FROM YOUR ANSWER SHEET.

YOU WILL BE ALLOWED TO WORK ON THE EXAM FOR **2 HOURS**. WHEN TIME IS CALLED, YOU MUST IMMEDIATELY STOP WORKING, PUT YOUR PENCIL DOWN, AND WAIT FOR FURTHER INSTRUCTIONS. ANY FORM OF CHEATING OR AN ATTEMPT TO CHEAT IN THE EXAMINATION WILL

RESULT IN AN AUTOMATIC DISMISSAL FROM THE EXAMINATION HALL AND CANCELLATION OF YOUR SCORE(S).

PLEASE MAKE SURE THAT YOU HAVE WRITTEN ALL THE REQUIRED INFORMATION ON THE ANSWER SHEET BEFORE YOU START TO WORK ON THE EXAMINATION.

DO NOT TURN THIS PAGE OVER UNTIL YOU ARE TOLD TO DO SO



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1. Who defined geography as a science that is meant to provide accurate, orderly, and rational description and interpretation of the variable character of the earth's surface?
 - A. Alexander von Humboldt
 - B. Gregg Wassmansdorf
 - C. Richard Hartshorne
 - D. M. Yeates
2. Among the following profound changes in geography scope and focus, which is emanate in the mid-18th century?
 - A. Its role as a discipline enhanced when geographical societies and research groups formed
 - B. It began to emphasize location, focusing on questions of where, why and what
 - C. It was considered to be the mother of many other sciences
 - D. It focuses on the relationship between human and the natural environment
3. The branch of geography that studies about the distribution of landforms and the forces that change them?
 - A. Biogeography
 - B. Cultural geography
 - C. Population geography
 - D. Geomorphology
4. Which statement best describes the formation of Block Mountain?
 - A. Formed by magma, gases, water vapor, ashes and other solid materials
 - B. Formed when land between two parallel faults is pushed upward
 - C. Caused by either lateral or vertical forces which can be either tensional or compressional
 - D. Occurs when two forces act towards each other from opposing sides
5. Which statement best describes the agents of chemical weathering?
 - A. Temperature variation results the expansion and contraction of rocks called exfoliation
 - B. As plants develop their roots pushed the rock apart
 - C. Borrowing animals breaks up rocks in search of food and shelter
 - D. Rain water passes through the atmosphere and forms a weak carbonic acid
6. Among the types of pressure belts, which one is the belt between north easterly and south easterly winds?
 - A. Polar High
 - B. Doldrums
 - C. Horse Latitude
 - D. Sub-polar low



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14. Which economic activity involves specialized knowledge in education, research and development?
- A. Secondary
B. Primary
C. Tertiary
D. Quaternary
15. Which of the following is an example of direct use of natural vegetation?
- A. Serving as habitat for wild animals
B. Utilizing as a source of income
C. Maintaining the balance of nature
D. Regulating local climatic conditions
16. A small group of heavenly bodies consisted of the sun and planets around is ____
- A. Milky Way galaxy
B. Solar system
C. Universe
D. Galaxy
17. Which one of the following is **true** about crust?
- A. It is found in the inner most part of the earth
B. It is mainly made up of Iron and Nickel
C. It is the thinnest section of all layers of the earth
D. It is composed of high volume of dense material
18. During which geological era did reptiles were the dominant life form?
- A. The Precambrian
B. The Paleozoic
C. The Mesozoic
D. The Cenozoic
19. What is the soil conservation measures that practice in arid and semi-arid areas?
- A. Intercropping
B. Fallowing
C. Contour ploughing
D. Installing shelter-belts
20. Related to soil properties, which of the following is **true**?
- A. Silt soil allows free movement of air and water
B. Clay and silt soils have fine textures
C. Sandy soil has high water holding capacity
D. Clay soil has high air passing capacity
21. Which one of the following is **true** about rock formation?
- A. Sedimentary rocks result from magma that solidifies on earth
B. Metamorphic rocks are changed rocks from igneous or sedimentary
C. Igneous rocks are formed from the weathering process of rocks
D. The rock materials of the earth are made from the same minerals



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22. Which one of the following is **correct** about the space time variation of temperature in Ethiopia?
- A. Daily temperatures are more extreme than its annual averages
 - B. Temperature decreases from the center to the border areas
 - C. The highest monthly mean temperatures occur in the highlands
 - D. The lowest monthly mean temperatures occur in the lowlands
23. Of the following factors which one is a natural cause of world climate change?
- A. Deforestation
 - B. Nuclear war
 - C. Cloud cover
 - D. Burning of fossil fuel.
24. What is the major factor that makes the South Asia such as India, Pakistan, Bangladesh, Myanmar (Burma) and Sri Lanka supports for about 25% of world population?
- A. Short growing season
 - B. Favorable monsoon climate
 - C. Rich natural resources
 - D. High industrial development.
25. Regarding the population structure of Ethiopia which one of the following conclusions is correct?
- A. The country has high percentage of productive population
 - B. There is a huge gap in the number of male and female population
 - C. The proportion of old age group is one of the highest in the world
 - D. The high dependency ration is a reflection of large number of children
26. What makes the World Bank different from the IMF?
- A. By encouraging exchange stability
 - B. By eliminating exchange controls
 - C. By expanding world trade
 - D. By financing projects
27. Which one is **NOT** the main advantages of globalization for developing countries??
- A. It creates new opportunities and benefits to developing countries
 - B. It has rules and principles by which globalization is governed
 - C. Enhance remittances from international migrants send back to their countries
 - D. It has brought inequality among nations of the world
28. Among the following geospheres, which one has area of study related to geomorphology and soil geography?
- A. Lithosphere
 - B. Hydrosphere
 - C. Biosphere
 - D. Anthroposphere



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29. What is the concern of geography as a field of study?
- A. Recording the past and recent geological events of the earth
 - B. Considering the spatial distribution of land features on earth
 - C. Making different kinds of maps for geographical research
 - D. Searching and locating things that happen in the universe
30. The sub field of geography in which the body of knowledge that we learn in Geomorphology is somehow linked with the subject matter of:
- A. Metrology
 - B. Economics
 - C. Demography
 - D. Geology
31. Which one of the following can be addressed through Regional Approach?
- A. Surveying the geography of sub-Sahara Africa
 - B. Assessing the climate of the world
 - C. Describing the agriculture practiced in highland area
 - D. Studying the distribution of population in Ethiopia
32. In which one of the following does environmental possibilism different from environmental determinism?
- A. Through stating the idea that people can influence the environment to enhance their way of life
 - B. By basing the idea that the natural environment is an influencing factor on humans' mode of living
 - C. By claiming the idea that the elements of the physical environment determine peoples mode of life
 - D. By considering the idea that human beings as passive agents where the physical factors determine their attitude and process of decision making
33. Which one of the following is **NOT** the applicable area of Geographic Information System (GIS)?
- A. To regulate and monitor traffic flows in streets and overcrowded highways
 - B. Emergency management before, during and after natural or human-made disasters
 - C. To generate data on unemployment rate increases in relation to economic development
 - D. To build schools and public health on the selected site



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- 41.** What is the main cause for the low level of socioeconomic and political interconnections among the countries and peoples of the continent?
- A.** lack of common currency
 - B.** Manufacturing industries are few in number
 - C.** Poor Communication facilities
 - D.** Dominated by the exportation of raw materials
- 42.** Among the following factors, which one is **NOT** the main challenge that affect Africa's development?
- A.** Lack of capital and skilled human power
 - B.** Slow population growth
 - C.** Lack of modern technology
 - D.** Prevalence of HIV/AIDS
- 43.** Why do we say that Africa is rich in terms of human power?
- A.** Africa is the world's most populous continent
 - B.** Currently, the total population of actively productive is low
 - C.** The future potential of labour is relatively high
 - D.** Much of the labour force are employed
- 44.** Which one of the following mining method is commonly practiced in area situated far from the river valley of Africa?
- A.** Placer Mining
 - B.** Strip Mining
 - C.** Quarrying Mining
 - D.** Extracting Mining
- 45.** Among the following lakes of Africa, which one is a rift valley lakes?
- A.** Tana
 - B.** Maru
 - C.** Chad
 - D.** Victoria
- 46.** Which soil type is mainly found in the arid area extending from West Africa to Ethiopia and Somalia?
- A.** Leptosols
 - B.** Regosols
 - C.** Calciso's
 - D.** Solanchaks
- 47.** Most of the rivers in Africa are characterized by waterfall, rapids, steep profiles, deltaic mouths and seasonal volume of fluctuation, which of the condition listed below hinder by these?
- A.** Irrigation
 - B.** Fishing
 - C.** Hydroelectric power generation
 - D.** Inland waterway



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- 48.** Which drainage system of Africa has a multiple flow direction?
- A.** Mediterranean Drainage system **C.** Atlantic Drainage system
B. Inland Drainage system **D.** Indian Drainage system
- 49.** From the following relief structure of Africa, which one is more concentrated in East Africa?
- A.** Plateau **C.** Volcanic Mountain
B. Plain **D.** Fold Mountain
- 50.** If you travel following a course of a river and you observed a stream which is deprived of its headwaters and becomes too small for the valley it belongs to, which of the features listed below represents the observed case?
- A.** Elbow of capture **C.** Misfit stream
B. Wind gap **D.** Reverse Drainage
- 51.** Which shape of settlement is common in rural and established by one family or a few family residences which is separated from one another by physical barriers?
- A.** Nucleated settlement **C.** Dispersed settlement
B. Ribbon settlement **D.** Linear settlement
- 52.** Which type of drainage pattern is mainly found in arid and rift valley Lakes of Africa?
- A.** Dendritic drainage pattern **C.** Trellis drainage pattern
B. Radial drainage pattern **D.** Centripetal drainage pattern
- 53.** Which settlement type has abundant services and a population of between 100,000 and 300,000?
- A.** City **C.** Megalopolis
B. Metropolis **D.** Conurbation
- 54.** To which course of the river does the development of pot-holes; interlocking spurs; and formation of waterfalls, rapids and cataracts belongs?
- A.** Middle Course **C.** Upper Course
B. Lower course **D.** Plain Course
- 55.** Under what climate regions of Africa are areas that have high temperature and heavy rainfall almost throughout the year as the result of the warm Mozambique Ocean Current?
- A.** Tropical Maritime Climate **C.** Tropical savanna Climate
B. Tropical continental Climate **D.** Mediterranean climate



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56. Why Africa is considered as developing continent?
- A. Per capita incomes are high and capital is readily available
 - B. Populations are urban, cities growing slowly
 - C. Low incidence of disease; good medical services available
 - D. Wealth is unevenly distributed within individual countries
57. What is the adverse effects of urbanization in Africa?
- A. Providing opportunities for employment
 - B. Reliable food security
 - C. Efficient waste disposal
 - D. Scarcity of water supply and shelter
58. Which one of the following is **INCORRECT** about the condition of drought in Africa?
- A. Disastrous droughts in Africa occurs mostly at latitudes of about 15°-20°
 - B. The repeated drought causes environmental degradation in the continents
 - C. The Sahel region is one of the extremely drought-affected areas in the continent.
 - D. A condition of wet weather and reliable rainfall within a geographic region
59. One among the following is **NOT CORRECT** about Africa. Which one is it?
- A. Nearly two third of Africa lies within the tropics and makes hottest continents.
 - B. Much of Africa are plain and gets rainfall in the winter season.
 - C. Africa is the second largest and populous continents in the earth.
 - D. Africa has a short smooth coastline, which contributes to the fact that its shape is compact.
60. Which Africa's wild animal is belongs to aquatic environments?
- A. Cheetah
 - B. Hippopotamus
 - C. Mongoose
 - D. Gazelle
61. Which of the following geological evidences was **NOT** support the continental drift theory?
- A. The coastlines of Africa and South America have remarkable similarity in opposite side of the Atlantic Ocean
 - B. Rock type and structural similarities of Africa and South America
 - C. Several fossil organisms had been found on either side of the Indian Ocean
 - D. Similarity of climatic data reconstructed from rock structure are similar in the present continents



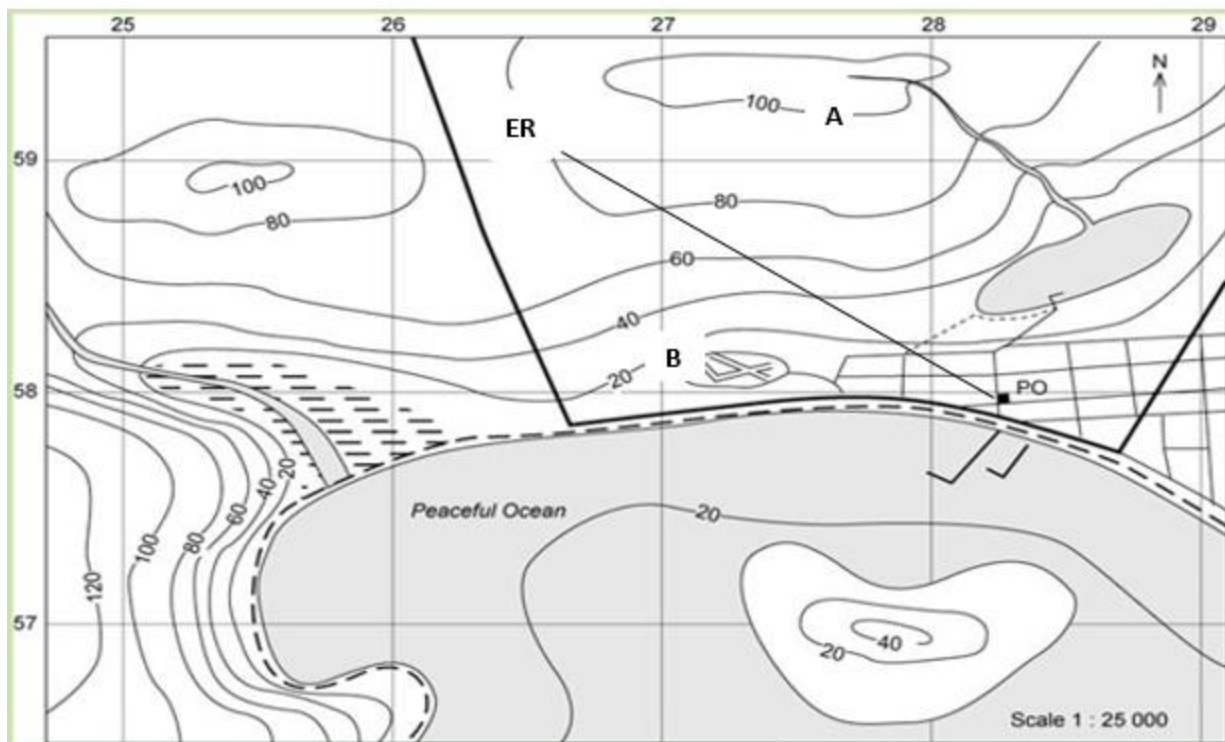
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- 67.** Which one is formed by the forces of tension and compression?
- A. Faulting
B. Folding
C. Volcanism
D. Earthquake
- 68.** What type of fold formed when one limb is steeper than the other?
- A. Asymmetrical fold
B. Symmetrical fold
C. Over fold
D. Over thrust fold
- 69.** Among the following fold mountains, which one is not a result of Alpine orogeny?
- A. Andes
B. Rockies
C. Cape range
D. Alps
- 70.** Under what condition Rift valley formed?
- A. When the land between two faults sinks down by tensional force
B. When the land between two parallel faults uplifted by compressional force
C. When the earth crust is bent upward by compressional force
D. When masses of rock change position below Earth's surface due to strain energy
- 71.** Which body wave is vibrate at right angles to the direction of wave travel?
- A. P wave
B. S wave
C. Love
D. Rayleigh
- 72.** To which volcano type does Mount Zuqualla belongs?
- A. Dormant volcano
B. Active volcano
C. Extinct volcano
D. Inactive volcano
- 73.** Which of the following type of volcano has a broad profile?
- A. Strato Volcanoes
B. Shield volcanoes
C. Cinder cones
D. Calderas
- 74.** Which landform is formed as the magma rises up through a near vertical crack?
- A. Sill
B. Dike
C. Batholith
D. Laccolith
- 75.** Among the following indigenous conflict resolving practice, which one is the indigenous leaders resolving conflict in Somali?
- A. T'eer
B. Mada'a
C. Ogaz
D. Kedo Abba

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QUESTION 96-100 ARE BASED ON THE ATTACHED MAP. THESE QUESTIONS SHOULD BE DONE ONLY BY NON-BLIND CANDIDATES.



96. What is the direction of “A” to “PO”?
 - A. North west
 - B. South west
 - C. South east
 - D. North east
97. What is the six digit grid reference of “PO”?
 - A. 293589
 - B. 579283
 - C. 283579
 - D. 589293
98. If we enlarge the map scale two times, what will be the scale of the new map?
 - A. 1:12,500
 - B. 1:125,000
 - C. 1:500,000
 - D. 1:50,000
99. What is the gradient of the slope between “A” and “B”? (Map distance between “A” and “B” = 4cms)
 - A. 1%
 - B. 5%
 - C. 8%
 - D. 4%
100. What is the approximate area of the map?(length is 12cms and width is 8cms)
 - A. 6 km²
 - B. 8 km²
 - C. 10 km²
 - D. 16km²



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107. Among the following one is **NOT** used for carbon sequestration. Which one?
A. Fossil fuels B. Forest C. Soil D. Ocean
108. Which one of the following is the type of plate boundary of the Indian plate along the Himalayan Mountains?
A. Ocean- continent convergence C. Continent- ocean convergence
B. Continent- continent convergence D. Ocean- ocean convergence
109. What is the IPCC?
A. A government agency that promotes fossil fuel use
B. An organization that promotes climate change denial.
C. A scientific panel that provides unbiased climate change information.
D. A lobbying group for renewable energy companies
110. To which Milankovitch Cycles does the Earth encounters more variation in the energy that it receive from the sun when the Earth orbit is elongated than the Earth's orbit is more circular belongs?
A. Eccentricity B. Wobbling C. Obliquity D. Precession
111. What is the best statement that explain climate change mitigation? It is the efforts to reduce or prevent:
A. The expected effect of climatic change C. Carbon dioxide the atmosphere
B. Buildup of GHGs in the atmosphere D. CFC in the atmosphere
112. Which of these is **NOT** an expected effect of climate change?
A. Sea levels rising C. Flooding in coastal areas
B. Expanding glaciers D. Extreme weather
113. What proportion of climate scientist has concluded that humans are the primary driver of today's climate warming?
A. 34% B. 95% C. 59% D. 76%
114. At which of places UNFCCC COP 28 conference will takes place?
A. Dubai, UAE C. Japan, Kyoto
B. Egypt, Sharma El sheikh D. Germen, Berlin
115. When was the IPCC fifth assessment report documented?
A. 2001 C. 2021
B. 1995 D. 2013