

ADDIS ABABA EDUCATION BUREAU

2013/2021 GRADE 12 GEOGRAPHY MODEL EXAMINATIONS

TIME ALLOWED: 2:00 HOURS

GENERAL DIRECTIONS

THIS BOOKLET CONTAINS GEOGRAPHY EXAMINATION. IN THIS EXAMINATION, THERE ARE A TOTAL OF 105 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 1-95 AND 101-105.

THERE IS ONLY ONE BEST ANSWER FOR EACH QUESTION. CHOOSE THE BEST ANSWER FROM THE SUGGESTED OPTIONS AND BLACKEN THE LETTER OF YOUR CHOICE ON THE ANSWER SHEET. USE ONLY PENCIL TO MARK YOUR ANSWERS. YOUR ANSWER MARKS SHOULD BE HEAVEY AND DARK, COVERING THE ANSWER SPACE COMPLETELY. PLEASE ERASE ALL UNNECESSARY MARKS COMPLETELY 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.

1. Which one of the following methods of depicting relief are represented on a map as dashed lines?
 - A. Relief shading
 - B. Hachures
 - C. Layer Tinting
 - D. Form lines
2. Which one of the following types of sketch map is frequently used by tourists or travelers?
 - A. Rout map
 - B. Locational map
 - C. landscape map
 - D. Thematic map
3. Which one of the following is not the significance of research?
 - A. Identify the cause of a problem
 - B. Limits our power of production
 - C. Promotes logical habit of thinking
 - D. Serve as an aid to formulate policy
4. One of the following is **NOT** among the challenges that geography faced during late 1940's and early 1950's:
 - A. Shutting down of many geography departments
 - B. Division between Human and Physical geography
 - C. It was seen as solely descriptive & unscientific
 - D. Geography was useful for solving problems
5. The science of taking measurements from aerial photographs or satellite images to make maps is:
 - A. Stereo plotter
 - B. Interpolation
 - C. Photogrammetry
 - D. Stereoscope
6. Which of the following statement is **NOT** correct?
 - A. Amount of temperature increase from central to peripheral low lands of Ethiopia
 - B. Rainfall increase from southwestern to north eastern part of Ethiopia
 - C. Rate of temperature decrease as altitude increase above sea level
 - D. During winter season the overhead sun is shift south of equator
7. In most part of Africa , areas above 300m above sea level altitude are considered to be:
 - A. Plateaus
 - B. Mountains
 - C. Plain
 - D. Hill
8. Which one of the following is **correct** about the philosophy of environmental possibilism?
 - A. His supporters consider that human being as passive agent.
 - B. School of possibilism was postulated by Charles Darwin
 - C. Peoples can influence the environment to enhance their ways of life
 - D. Natural conditions determine the activity of human.

9. All of the following are drained by the Abay river and its tributaries **EXCEPT**
- A. Southeastern highlands
 - B. Southwestern highlands
 - C. Central highlands
 - D. North and central highland
10. One is **NOT** a physical factor influencing the spatial distribution of population in Ethiopia:
- A. Economic Activities
 - B. Water Supply
 - C. Soil Type
 - D. Climate
11. Which one of the following geosphere of the earth is concerned with the earth's cultural landscape?
- A. Lithosphere
 - B. Anthroposphere
 - C. Atmosphere
 - D. Biosphere
12. Which one of the following a drainage pattern is greatly affected by tectonic forces (faulting and folding)?
- A. Dendritic drainage pattern
 - B. Trellis drainage pattern
 - C. Radial drainage pattern
 - D. Rectangular drainage pattern
13. Which one of the following is correct about the concern of geographical research?
- A. Aggregating demand and supply
 - B. Emphasis on cultural value
 - C. Assess spatial distribution of population
 - D. Focus on ways of political system
14. The northern most extreme point of Ethiopia is located at:
- A. Moyale
 - B. Ogaden
 - C. Akobo
 - D. Badime
15. One of the following is **NOT** among the advantages of Vertical Exaggeration?
- A. Increase in visual effectiveness of a given relief
 - B. Clearly visualize the terrain of an area
 - C. Very strong mental impression
 - D. Steeper Slope of a hillside than it actually is
16. Which of the following type of settlement is compact and concentrated in shape?
- A. Dispersed settlement
 - B. Nucleated settlement
 - C. Linear settlement
 - D. Isolated settlement

17. Which one of the following uses an existing data base and infers relationships from it for target study?
- A. Simulation Quantitative Approach
 - B. Inferential Quantitative Approach
 - C. Experimental Quantitative Approach
 - D. Model Quantitative Approach
18. Which one of the following is **NOT** among the causes for the high fertility index in Africa?
- A. Better access to contraceptives
 - B. Early marriage
 - C. Religious encourage large families
 - D. Low status of women
19. Which one of the following regions of Africa is the least urbanized?
- A. Northern Africa
 - B. Eastern Africa
 - C. Southern Africa
 - D. Western Africa
20. Which of the following topographic features represent on maps by closed contours more or less circular shapes with value decreased towards the center?
- A. Mountain
 - B. Plateau
 - C. Depression
 - D. Spur
21. In which of the following function of settlement is a center of exchange of goods and services?
- A. Commercial town
 - B. Industrial towns
 - C. Market towns
 - D. Administrative town
22. Which one of the following is **correct** about the population of Africa?
- A. Slowest growing of population in the world
 - B. High life expectancy
 - C. High rate of population growth and short period of doubling time
 - D. Second populous continent next to North America
23. The nature of modern geographic research is mainly focus in one of the following aspects **EXCEPT**?
- A. Spatial distribution of phenomena and things
 - B. Location of places and people
 - C. The interaction between human and environment
 - D. Forces responsible for the formation of patterns
24. The largest and widest part of the Ethiopian Rift Valley System is called:
- A. Lakes Region
 - B. Chew Bahir Rift
 - C. Afar Triangle
 - D. Somali highlands

25. The two major physical factors that accelerates soil erosion in Ethiopia are
- A. Spread of industrialization.
 - B. Deforestation and over grazing
 - C. Bad cultivation practice
 - D. Topography and summer heavy rain
26. All are the characteristics of Ethiopian population **EXCEPT**?
- A. Age dependence ratio is high in Ethiopia
 - B. Sex ratio high in rural lower in urban
 - C. Fertility level higher in rural than urban
 - D. High birth and death rate
27. Which one of the following land form structure of Africa covers the smallest percentage?
- A. Hill
 - B. Plain
 - C. Depression
 - D. Plateau
28. A means of transport that requires the lowest gradient due to the lowest climbing capacity is:
- A. Train
 - B. Bicycles
 - C. Ordinary cars
 - D. 4 wheel drive cars
29. Which of the following statements **Correct** about “**Brain – drain**”?
- A. People move for political reasons and ethnic conflicts
 - B. Movements of highly educated people for better working conditions and payments
 - C. Movements of people caused by natural calamities (earthquake)
 - D. People move from one place to another for agricultural activities
30. Which one of the following is found between Africa and Europe?
- A. Suez Canal
 - B. Isthmus of Suez
 - C. Strait of Gibraltar
 - D. Strait of Bab-el Mandab
31. Which one of the following statement is **incorrect** description about Africa?
- A. It has a fragmented shape
 - B. Many places are not very far from the coast
 - C. It has fairly unbroken coastline
 - D. East-west and north-south extensions are almost equal
32. Which one of the following type of the map is convenient to portray multiple natural and anthropogenic features?
- A. Isoplethic Map
 - B. Thematic Map
 - C. Chorochromatic Map
 - D. Topographic Map

33. Which of the following is **NOT** a major factor of high fertility rates in Ethiopia?
- A. Early marriage
 - B. High social status of women
 - C. Low level of family planning
 - D. Perception of high economic value of children.
34. Which one of the following world regions was the leading export destination of Ethiopia in the year 2006/07?
- A. North America
 - B. Asia
 - C. Europe
 - D. Africa
35. One of the following is **NOT** among the factors that govern and affect Ethiopia's economic relationships with countries.
- A. Nature of Ethiopia's export and import items
 - B. Land fragmentation
 - C. Its trade policy and strategy
 - D. Geographical proximity
36. Relative location is advantageous for Ethiopia **EXCEPT**:
- A. Sharing with five neighboring countries
 - B. Geological strategy to the rest of the world
 - C. Proximity to Middle East
 - D. Lies with in GMT+3 time zone
37. The conservation measures when trees must be replaced where ever they are cut down is:
- A. Afforestation
 - B. Reforestation
 - C. Agro-forestry
 - D. Deforestation
38. Which of the following drainage system in Africa accounts 90 percent of the contents surface flow?
- A. Indian ocean Drainage system
 - B. Atlantic ocean Drainage system
 - C. Mediterranean sea Drainage system
 - D. Closed(Inland) Drainage system
39. What is the Northern extreme point of Africa?
- A. Cape Guardafui (Somalia)
 - B. Cape Agulhas (RSA)
 - C. Cape Bon (Tunisia)
 - D. Cape Verde (Senegal)

40. Which one of the following is the smallest of all climatic zones of Africa?
- A. Tropical maritime (monsoon climate)
 - B. Highland (mountain) climate
 - C. Warm temperate continental climate
 - D. Equatorial climate
41. One of the following is part of Gondwanaland:
- A. Europe
 - B. Africa
 - C. Asia
 - D. North America
42. Which of the following types of soil is the most suitable for the production of coffee, cereal and inset in Ethiopia?
- A. Nitosols
 - B. Xerosols
 - C. Vertisols
 - D. Regosols
43. The number of death in a year between one and five years of age per 1000 children is:
- A. Adult Mortality Rate
 - B. Crude Death Rate
 - C. Infant Mortality Rate
 - D. Child Mortality Rate
44. Which one of the following is **NOT correct** about the temperature distribution of Ethiopia?
- A. Temperature decreases from peripheries towards the interior
 - B. Annual average temperature is higher than the daily average temperature
 - C. March, April and May are the warmest months throughout the year in the country
 - D. November, December and January are the coldest months in the country
45. Which one of the following is known as the equatorial broad leaf ever green forests?
- A. Mediterranean Vegetation
 - B. Tropical Rainforests
 - C. Tropical Grasslands
 - D. Afro-Alpine forests
46. Ethiopia has longest boundary line with one of the following neighboring countries.
- A. Eritrea
 - B. Somalia
 - C. Kenya
 - D. Djibouti
47. _____ are conservation areas for wild animals in which tourists are allowed to practice licensed hunting.
- A. National park
 - B. Game Reserves
 - C. Sanctuaries
 - D. Grazing land

48. Which one of the Boserupian approach of agricultural transformation requires the largest labor?
- A. Forest – Fallow Cultivation
 - B. Multiple Cropping
 - C. Annual Cropping
 - D. Bush – Fallow Cultivation
49. One of the following is **NOT** among the direct consequence of deforestation:
- A. Accelerated soil erosion
 - B. Destruction of Biodiversity
 - C. Shortage of wood supply
 - D. High Evapotranspiration
50. Which one of the following is the wettest region in Ethiopia?
- A. NW Highlands
 - B. South Eastern Highlands
 - C. Southwestern Highlands
 - D. North Central Massifs
51. Which one of the following drainage system of Ethiopia is smallest in catchment of area and volume of water?
- A. Inland drainage system
 - B. South eastern drainage system
 - C. Mediterranean drainage system
 - D. Atlantic ocean drainage system
52. One of the following is **NOT** the main concern of Ethiopia's policy regarding to water resources?
- A. Encourage irrigation scheme and dam
 - B. Paying little concern to water users
 - C. Recycling waste water
 - D. Managing wet land and upstream areas
53. One of the following is **NOT** elements of weather and climate?
- A. Latitude
 - B. Cloud
 - C. Air pressure
 - D. Rainfall
54. Which of the following river is the most politically significant river in Africa?
- A. Congo River
 - B. Niger River
 - C. Zambezi River
 - D. Nile River
55. One of the following is **correct** about the Great East African Rift Valley?
- A. It stretches from Syria to Mozambique
 - B. It extends a total distance of 5600km
 - C. It was formed in tertiary period due to folding
 - D. It is the smallest part of rift valley in the world

56. One of the following is not belongs to quantitative distribution maps?
- A. Choroplethic Map
 - B. Isopleth Map
 - C. Diagrammatic Map
 - D. Choroschematic Map
57. All are challenges to Ethiopia's socio-economic development, **EXCEPT**:
- A. Low level of infrastructure
 - B. Diversified climatic zones
 - C. Rapid population growth
 - D. Unexpected weather changes
58. Which one of the following ocean current makes warming effect to southeastern Africa?
- A. Canary
 - B. Labrador
 - C. Mozambique.
 - D. Benguela
59. One of the following statement is identifies the characteristics of tropical rainforest in Africa?
- A. They are confined to central and western Africa
 - B. It develops in areas of rainfall scant
 - C. They have less species diversity
 - D. Cactus and thorn bushes are common plants
60. One of the following is not among the common characteristics of most African rivers?
- A. Water fall and rapids
 - B. Navigability services
 - C. Seasonal fluctuation
 - D. Steep long profile
61. Which of the following is a “**pull**” factors for many people move temporary from small towns to large cities in Africa?
- A. House shortage
 - B. High wage
 - C. Social upheaval
 - D. Natural disaster
62. What are the three major components of population change?
- A. Birth rate, death rate and migration
 - B. Immigration, emigration and net migration
 - C. Age, sex and size of population
 - D. Census, Sample Survey and vital registration
63. Who postulated “the flourishing of society is based on the environment”?
- A. Febver
 - B. F. Rutzel
 - C. Charles Darwin
 - D. Demolins
64. Which one of the following types of map projection is most suitable to produce African regions?
- A. Conical Projection
 - B. Zenithal Projection
 - C. Cylindrical Projection
 - D. Orthomorphic Projection

65. One of the following is **NOT** among the advantage of large territorial size of Ethiopia?
- A. Require great financial power to construct basic facilities
 - B. Possess a great variety of mineral resources
 - C. Provide diverse agro climatic zone
 - D. Possess home of diverse ethnic group
66. Which of the following is the shallowest lake in Ethiopia?
- A. Ziway
 - B. Salla
 - C. Abaya
 - D. Hashenge
67. Assume that two cities lie at the same latitudinal extent experiences overhead sun throughout the year and might not have uniform temperature distribution over the earth surface. What is the main factor of this climate variation?
- A. Weather system
 - B. Cloud cover
 - C. Altitude
 - D. Latitude
68. Which one of the following weather system in Ethiopia is responsible to the occurrence of summer rain fall?
- A. Equatorial Westerlies
 - B. Equatorial Easterlies
 - C. North east trade winds
 - D. Monsoon winds
69. The ratio between total population and total area of a given country is called _____
- A. Crude Density
 - B. Agricultural Density
 - C. Physiological Density
 - D. Rural Density
70. All of the following are rift valley lakes in Africa **EXCEPT**?
- A. Turkana
 - B. Victoria
 - C. Malawi
 - D. Edward
71. One of the following is **NOT** among the major causes of drought in Africa?
- A. Deforestation
 - B. Overgrazing
 - C. Carefully planned land use
 - D. Expansion of farmlands and settlements
72. Which of the following statement is **NOT** correct about position of Africa?
- A. It is found south west of Asia
 - B. It occupies a central location in the world
 - C. It's geographical proximity discouraged the socio-economic contact
 - D. It is found west of Indian ocean

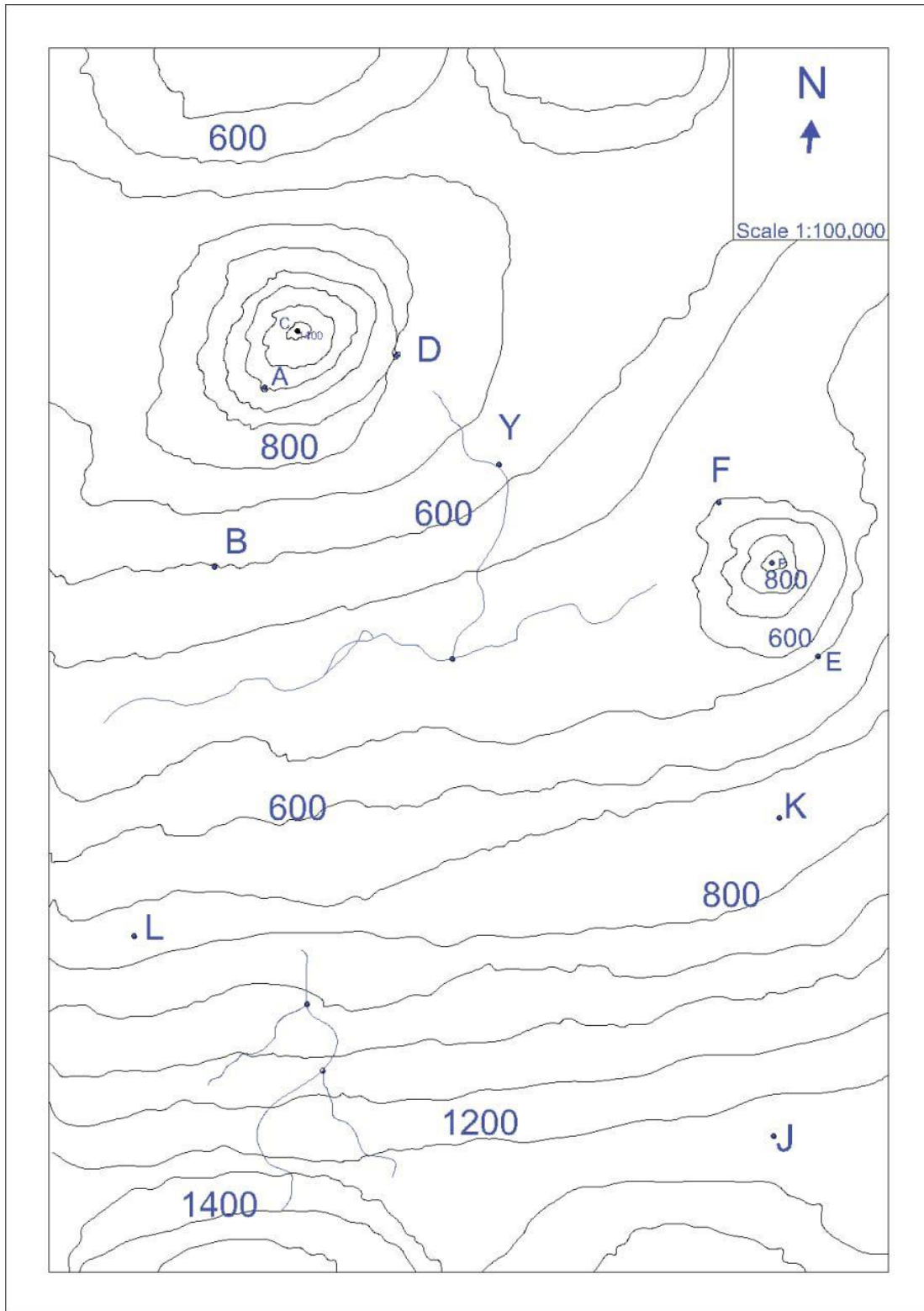
73. Which one of the following is **NOT** among the main challenges that affect Africa's development?
- A. Lack of skilled human power
 - B. Huge capital and modern technology
 - C. Rapid population growth
 - D. Prevalence of HIV/AIDS
74. One of the following determinants of population is regarded as a prime indicator of socio economic development
- A. Crude birth rate
 - B. Migration
 - C. Life expectancy
 - D. Infant mortality rate
75. One of the following is best measurements of the quality of life of the people in a given country
- A. Per capita income
 - B. Standard of living
 - C. Gross Domestic Product
 - D. Gross National Product
76. _____ is refers to a place where two or more stream merge in to one.
- A. Levee
 - B. Delta
 - C. Estuary
 - D. Confluence
77. All of the following are motives that leading to migration in Africa **EXCEPT** one?
- A. Prevalence of diverse climate zone
 - B. Existence of divergent level of economic and social development
 - C. Search for political repression
 - D. Presence of diverse natural resources
78. Which regions of Africa is the smallest in terms of population and territorial size?
- A. Eastern Africa
 - B. Northern Africa
 - C. Central Africa
 - D. Southern Africa
79. Which one of the following physiographic regions serves as watershed of Awash and Abay rivers?
- A. The Semein massif
 - B. The Bale massif
 - C. The plateau of Shewa
 - D. The plateau of Sidama
80. Which one of the following is the most utilized river both in irrigation and hydroelectric power?
- A. Chamo
 - B. Awash
 - C. Abbay
 - D. Genalle
81. As Berha zone is coincide with desert, so as Wurch is similar to:
- A. Afro Alpine
 - B. Sub-tropical
 - C. Temperate
 - D. Tropical

82. Which one of the following a high land forest of Ethiopia is similar to forest of coniferous trees?
- A. Warka
B. Woira
C. Zigba
D. Tid
83. Which one of the following mountain is **NOT** grouped under south east high lands of Ethiopia?
- A. Mount Kaka
B. Mount Chillallo
C. Mount GaraMuleta
D. Mount Guna
84. Which one of the following types of soil grouped under pedalfer?
- A. Regosols
B. Leptosols
C. Vertisols
D. Nitosols
85. Which one of the following era is mainly associated with the formation of the basement complex rock?
- A. Mesozoic Era
B. Cenozoic Era
C. Paleozoic Era
D. Precambrian Era
86. One of the following high land areas of Ethiopia is the most rugged and dissected plateaus?
- A. Southwestern high lands
B. Shewa plateau
C. Arsi Bale massifs
D. North central massif
87. _____ is a measure of the value of output of goods and services within a certain period of time.
- A. Economic growth
B. Economic development
C. Per capita income
D. Gross Domestic Product
88. A kind of delta that projects irregularly in to the sea and maintains clearly defined channels is
- A. Arcuate delta
B. Meander swamp
C. Bird's foot delta
D. Cuspate delta
89. Which one of the following land form is like the seat on a riding horse?
- A. Saddle
B. Valley
C. Hill
D. Ridge
90. Which one of the following hierarchy of settlement is **correct** according to descending of their population size and diversity of services?
- A. Large city → Conurbation → Megalopolis → Metropolis
B. Conurbation → Megalopolis → Metropolis → Large city
C. Large city → Metropolis → Conurbation → Megalopolis
D. Megalopolis → Conurbation → Metropolis → Large city

91. One of the following features is **NOT** associated with the lower course of a river:
- A. Cataracts
 - B. Estuary
 - C. Delta
 - D. Meander
92. Which one of the following countries played a role that is considered as a turning point in the development of GIS?
- A. Ethiopia
 - B. USA
 - C. Canada
 - D. India
93. As Mountain Nyala is to Bale Mountain, Walia Ibex is to _____.
- A. Afar National Park
 - B. Nech sar National Park
 - C. Semein Mountain
 - D. Awash National Park
94. Which one of the following are the most urbanized regions in Ethiopia?
- A. Addis Ababa, Dire Dawa & Harari
 - B. Gambella, Harari & Benishangul Gumuz
 - C. Afar, Addis Ababa & Amhara
 - D. SNNPR, Dire Dawa & Oromia
95. Which one of the following areas of Ethiopia receives very low rainfall throughout the year?
- A. Gore
 - B. Gode
 - C. Illubabor
 - D. Bonga

Items 96-100 are based on the map provided on the next page. The items should be attempted by sighted (NOT VISUALLY IMPAIRED) candidates only

96. What type of land form letter 'D' represents?
- | | |
|---------------|-----------|
| A. Saddle | C. Cliff |
| B. Depression | D. Valley |
97. Which of the following points are intervisible?
- | | |
|----------------|----------------|
| A. "E" and "F" | C. "K" and "F" |
| B. "A" and "B" | D. "C" and "D" |
98. What is the type of slope from point "B" to "A" indicate?
- | | |
|------------|-------------|
| A. Convex | C. Even |
| B. Concave | D. Terraced |
99. Which of the following term shows to the point marked "Y"?
- | | |
|----------------|---------------|
| A. Tributaries | C. Confluence |
| B. Leave | D. Estuary |
100. In which traditional agro climatic zones of Ethiopia is the area shown on the map?
- | | |
|----------|----------|
| A. Dega | C. Wurch |
| B. Qolla | D. Berha |



The following questions (101 - 105) should be attempted by VISUALLY IMPAIRED students only

101. The emergence of modern population theories is related to the writings of:
A. Karl Marx
B. Esther Boserup
C. Thomas Robert Malthus
D. Albert Einstein
102. All of the following are challenges of rapid urbanization in Africa **EXCEPT** one?
A. Unreliable food security
B. Absence of employment opportunities
C. Provision of social services
D. Shortage of water
103. A country in Africa with high population density is:
A. Mauritius
B. Namibia
C. Chad
D. Congo
104. Which one of the following geological era is commonly known by the predominance of huge reptiles and mammals?
A. Paleozoic
B. Precambrian
C. Mesozoic
D. Cenozoic
105. All of the following rivers are belongs to the Western(Mediterranean) drainage system of Ethiopia **EXCEPT**:
A. Baro Akobo
B. Wabishebele
C. Tekeze
D. Abay