AMHARA NATIONAL REGIONAL STATE EDUCATION BUREAU GRADE 12 GEOGRAPHY MODEL EXAMINATION 2014 E.C /2022/

TIME ALLOWED: 2HOURS

Number of Items: 100

DIRECTIONS: - **Each of the following questions is followed by four possible alternative answers, Read each questions carefully and write the corresponding letter on the answer provide.**

1. What conservation measures that have been recommended for minimizing soil erosion by practicing of growing two or more crops on the same farm land?

   A. Inter cropping
   B. Fallowing
   C. Crop rotation
   D. Contour plough

2. Which one is the immediate critical problem on the Ethiopian rivers for the generation of hydroelectric power?

   A. Seasonal fluctuation
   B. Impact of climate variability
   C. Trans-boundary of the rivers
   D. Severe erosion from high lands and sedimentation in the reserves

3. The largest and the deepest lakes in Ethiopia respectively are

   A. lake Hawassa &lake langano
   B. Lake Tana & lake shala
   C. lake shalla & lake Ziway
   D. lake shala & lake koka

4. We find one extremely leached and poor drainage soil of Ethiopia which is left for Grazing?

   A. Nithosols
   B. Regosols
   C. Vetisols
   D. Acrisols

5. —— is a control of climate with a pronounced influence on the climate of Ethiopia.

   A. altitude
   B. ocean current
   C. latitude
   D. distance from the sea

6. How many times does Bahir Dar experience overhead sun during the year?

A. Not even once
B .All the times
C. Twice
D .Once

7. Geography as a field of study is mainly concerned with.

A .The species of plants and their behavior

B. The distribution and organization of phenomena on the earth's surface

C. The study of soils and their components

D. The study of people's characteristic

8. According to the regional division of Africa, which one is the lowest and highest Population density respectively?

A. Central and East Africa
B. East and Central Africa
C. North and South Africa
D. East and West Africa

9. Which one of the following is **not** true about contour lines?

A. They are drawn at a fixed–height interval
B. They can merge or cross one another in the case of overhanging cliffs or waterfalls
C. They are continuous lines
D. They are always numbered in a direction towards which altitude decreases

10. The formation of inselbergs took place in Ethiopia and the Horn of Africa during__

A. Paleozoic era
B. Mesozoic era
C. Precambrian era
D. Cenozoic era

11. Agricultural activities should have direct related to the characteristics of soil. Soil erosion has the main impact on Agricultural yields. To reduce the impact of soil erosion, Farmers have developed different soil conservation methods. Which school of thought is concerned with such interaction between human activity and their environment?

    A. Environmental determinism
    B. Applied geography
    C. Environmental possibilism
    D. Quantitative revolution

12. The scientific study of solar system in the universe, especially of the motion, position, size, composition and behavior of objects, that are taught in geography are related to the sub-field of_____

    A. meteorology
    B. astronomy
    C. climatology
    D. sociology

13. Which one of the following techniques is the most commonly used to represent relief feature both under water depth and isohypse of the elevation?

    A. Latitude
    B. Altitude
    C. Hachures
    D. Contour line

14. When the ground survey is done by using aircraft and satellite imagery, that aerial photography of the landscape has to be mapped through aerial photogrammetry and measure angle of slope, which uses of an instrument called

    A. streoscope
    B. aerial photography
    C. photogrammetrist
    D. streoplotter

15. Which proposed hypothesis described continents of the world were assemble as a super land mass (Pangaea) according to Alfred Wegener?

    A. population number of the continents
    B. level of civilization of the continents
    C. Paleoclimates of the continents
    D. economic growth of the continents

16. Which one of the following is a common technique for gathering data in quantitative approach?

A. Infertial statistic
B. Personal observation
C. Questionnaires
D. Group interviews

17. One of the following conservation areas for wild animals in which hunting is strictly prohibited?

A. National parks
B. Sanctuaries
C. Game reserves
D. Local parks

18. One of the following is a physical factor that affects population distribution?

A. Industrialization
B. Urbanization
C. Population movement
D. Climate

19. One of the following Ethiopian river changes its name to **Atbara** outside Ethiopia?

A. Genale
B. Baro
C. Tekeze
D. Wabishebelle

20. Which one of the following is a pull factor for rural-urban migration of people in Ethiopia?

A. Land degradation
B. Landlessness
C. Employment opportunities
D. Resource scarcity

21. From environmentalist point of view, which people of Ethiopia are internationally well known for their method of farming?

A. The Guraghe people
B. The sinasha people
C. The konso people
D. The Somali people

22. Everywhere deserts are _____

A. cold
B. very cold
C. hot
D. dry

23. The proportion between all day mean over the number of days in the month gives.

A. daily mean temperature
B. mean monthly temperature
C. annual mean temperature
D. Monthly range of temperature

24. The main factor that explains very low early morning temperatures that are recorded on the central highlands of Ethiopia in winter is.

A. distance from the sea
B. excessive cloud covers
C. the latitudinal location of the country
D. absence of cloud cove

25. Shifting cultivation is considered to be more advanced than hunting and collecting because.

A. large amount of production is possible from a small area
B. it provides people with continuous food supply
C. more food is collected from the trees which are cut down
D. it involves the cutting down of trees before planting the trees

26. Economically, which of the following areas of the world is said to be the least developed?

A. South-east Asia
B. Latin America
C. Sub-Saharan Africa
D. Australia

27. Map-Makers estimate unknown data value based on the known data value, ,this process of data create technique is referred to as _____

A. spot height
B. interpolation
C. estimation
D. calculation

28. In the process of drawing relief cross-section profile, why it is important to study intervisibility of a place?

A. To collect any data in the universe
B. Measure the elevation of each spot height
C. Planning for military operation
D. Organized geo spatial data based on computer system

29. A long low-lying area of land, often with a river with a stream running through it, that is surrounded by higher ground in the three direction and lower ground in one direction is

A. spur
B. cliff
C. hill
D. valley

30. Which one of the following is the entire geographical space that is drained by major rivers and its tributaries?

A. Catchment area
B. Drainage system
C. River capture
D. Drainage pattern

31. Which one of the following is **not** Cliff's character?

A. Rapid increase in horizontal distance
B. C. Contour lines are very close together
C. Little change in horizontal distance
D. D. High, very steep or vertical wall of a mountain

32. According to the function of settlement town one is religious or historical center?

A. Ecclesiastical town
B. Financial town
C. Educational town
D. Holiday and health resort town

33. The type of map projection which is best for showing distributions in the mid-latitude areas?

A. Cylindrical
B. Planar
C. Conical
D. Azimuthal

34. During the process of regression of sea water from east Africa in the Mesozoic era, which Stone of Ethiopia was formed?

A. Adigrat sandstone
B. Upper sandstone
C. Hintalo limestone
D. Crystalline basement rock

35. Which of the following statement is **correct** about astronomical location of Ethiopia?

A. Due to longitudinal extension Ethiopia has one hour different between West and East extent.
B. Due to latitudinal extension Ethiopia experience temperate climate
C. Due to longitudinal extension the Ethiopian time zone is GMT+5
D. Geologically Ethiopia is closer to North America

36. One of the following is the wettest lowlands region in Ethiopia?

A. Setit humera
B. Baro-Akobo
C. Elkeri
D. Denakil depression

37. One of the following statements is true about Inter Tropical Convergent zone (ITCZ).

A. shifts towards south of the equator in June
B. shifts towards north of the equator in January
C. follows the position of overhead sun
D. Follows high pressure zone

38. Which of the following is **not** correct about the importance of research?

A. Strengthens capacity for critical observation
B. Visualize the gap between the real world and formulated theory
C. Enabling us to make rational decisions
D. Narrow reading and thinking scope of researcher.

39. Determine the **correct** issues in relation to qualitative research approach?

A. Analyzing numerical information
B. Analyzing non numerical information
C. Testing hypothesis
D. Appling statistical and mathematical tools

40. Among the following means of transport, one is highly affected by the relief feature of topography?

A. Railway
B. Foot path
C. Air transport
D. Water transport

41. Which of the following feature of drainage patterns, one is characterized by a tree like shape with branches and formed in areas of homogeneous rock masses?

A. Trellis
B. Radial
C. Centripetal
D. Dendritic

42. Based on the annual discharge and catchment area which one is the largest drainage system in Africa?

A. Indian Ocean Drainage system
B. Atlantic Ocean Drainage system
C. Indian Ocean Drainage system
D. Closed/ inland / Drainage system

43. Which one of the following is the highest road gradient in Ethiopia?

A. Limalimo road gradient
B. Amora Gedel road gradient
C. Abay Bereha road gradient
D. Tara Gedam road gradient

44. The astronomical or absolute location of the map of Africa indicates that

A. in relation to the location of other countries
B. by using lines of latitude and longitude
C. in relation to the location of major land mass
D. in relation to the location of water bodies

45. What makes scientific research different from action research?

A. It enables researchers to put ideas in to action
B. It gives rapid feedback
C. It encourages reflection and further development
D. It gives a proven base for improvement

46. Preliminary assumption or tentative explanation that accounts for asset of facts, taken to be true for investigation and testing a theory in research project is--------

A. working hypothesis
B. objective of the study
C. reviewing the literature
D. Delimitation of the study

47. Identify unpublished secondary data collection source in research project.

A. journals
B. diaries
C. news papers
D. historical records

48. ---------- are lines on maps that show equal rain fall distribution.

A. Isotherms
B. Isodapanes
C. Isonephs
D. Isohyets

49. How much is the **range** between the lowest and the highest altitude of Ethiopia?

A. 4620m
B. 4504m
C. 4736m
D. 116m

50. If a globe is a more accurate representation of the earth than a map, why do we often prefer maps to globes? Because

A. Maps are visually convenient
B. Globes are visually convenient
C. Maps are expensive to reproduce and update
D. Globes are easy to fold and handle

51. Which one is common characteristic of the Atlas, Himalayas and Alps Mountain?

A. All are formed by the process of faulting
B. All are formed by tensional force
C. All are old fold mountain
D. They were formed similar geological era

52. During in the Mesozoic era about 200 million years ago the one huge land mass of Pangea was broken in to two parts, the Northern part of pangea is known as laurasia, whereas the southern part of Pangea is refered to_____

A. Strait of Gibraltar
B. gondwanaland
C. bab-el Mandab
D. suez canal

53. Relatively, the annual temperature of Kalahari Desert is lower than Sahara Desert. What is the reason?

A. It is treated by Benguela Ocean current
B. It is treated by Canary ocean current
C. It is closer to Mozambique Ocean current
D. It is far from the equator

54. Blue Nile originates from Lake Tana in Ethiopia, while the White Nile is from

A. Lake Tanganiyka in Uganda
B. lake Volta in Ghana
C lake Chad in Uganda
D. lake Victoria in Uganda

55. Which of the following Geological Eras responsible for extensively Coal was formed?

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

56. Atlas and Cape Range Mountains are:

A. old fold Mountain and Young fold Mountain respectively.
B. young fault Mountain and Old Fault Mountain respectively.
C. young fold Mountain and old fold Mountain respectively
D. old fault Mountain and young fault Mountain respectively

57. As the lake Koka is to Ethiopia, So the lake Nasser is to_____

A. Kenya
B. Egypt
C. Nigeria
D. Ghana

58. One of the following is a practice of integrating the planting of trees with farming activities?

A. Agroforestry
B. Social forestry
C. Afforestation
D. Reforestation

59. Among the following African rivers, one is flow North West ward and finally enters in to Mediterranean Sea?

A. The Orange River
B. The Niger River
C. The Congo River
D. The Nile River

60. When we enumerate the difference between thematic maps and topographic maps, Thematic maps are----------

A. Large scale maps
B. portray only a single feature
C. portray both physical and cultural features at the same time
D. general purpose maps

61. The characters of meridians and parallels on a globe are-------

A. parallels converge at the pole
B. meridians are parallel to the equator and each other
C. meridians and parallels intersect at right angle
D. meridians converge at equator

62. The reasons for high childhood mortality rate in rural Ethiopia than urban, mainly because of –

A. lack of nutritious food for children
B. good health care services and facilities
C. far birth spacing
D. good hygiene activities

63. Any death that occurred during pregnancy or within two months after a birth or termination of a pregnancy is-----

A. infant mortality
B. child mortality
C. maternal mortality
D. under five age mortality

64. The process of in discriminate destruction of the natural vegetation cover of a forest is refers to-------

A. over cultivation
B. reforestation
C. afforestation
D. deforestation

65. The ratio between the total population and the total arable (cultivable) area of a given Country is -----density

A. physiological
B. agricultural
C. Crude
D. rural

66. Among the major factors for high rates of fertility in Ethiopia one is **not** include to others.

A. low levels of family planning
B. early marriage
C. low rates of infant and child mortality
D. Low status of women

67. Population distribution in Ethiopia is affected by certain physical and human factors, ———— is listed in human factors

A. soil fertility
B. favorable climate
C. Water supply
D. types of economic activities

68. During which months of Ethiopia, the lowest mean monthly temperature recorded on most of high lands of Ethiopia?

A. June, July and August
B. September, October and November
C. November
D. February, March and April

69. Where do you expect arboreal wild animals are found largely?

A. In savanna grass land
B. In tropical rainforest areas
C. In arid and semi-arid lowlands
D. In mountain grass land

70. An overview of growth and development in Ethiopia, growth mainly focus on

A. quantitative accumulation of the national capital
B. impartial judicial and legal system
C. broader civil and political freedoms
D. better health and nutrition

71. What are the factors hindering Ethiopia to break out poverty?
A. High level of investment
B. Independent rain feed agriculture
C. High infrastructure coverage
D. Lack of good governance and commitment to accomplishing tasks

72. Which one of the following is the main soil group that develops in the most parts of the continent of Africa?

A. Hydromorphic soil group
B. Azonal soil group
C. Pedalfer soil group
D. Pedocals soil group

73. The following reasons stated below, one is the main cause of high rain fall and high temperature throughout the year in the Tropical Maritime /Monsoon/ climatic region in the south east coast of Africa?

A. It is located around the equator
B. Due to the effect of Benguela cool Ocean Current
C. Due to the effect of Canary cool Ocean Current
D. Due to the effect of Mozambique Warm Ocean Current

74. Seasonal variation is one of the main characteristics of African rivers. But the Congo River does not show seasonal fluctuation. What is the reason?

A. It has many tributaries than the other African rivers.
B. It is located around the equator and receive high amount of rain fall throughout the year.
C. It does not flow long distance and reduce to lose their volume by evaporation.
D. It is located around the Atlantic Ocean and receive high amount of water from it.

75. High Aswan Dam is constructed across the Nile River in Egypt , while the Great Renaissance Dam is constructed across from ----------

A. The Nile River in Sudan
B. The Niger River in Nigeria
C. The Awash River in Ethiopia
D. The Abay River in Ethiopia

76. Which one of the following major planetary winds dominate the Maghreb region of Northern Africa and Cape Province of South Africa?

A. North East Trade Winds
B. South East Trade Winds
C. Westerlies Winds
D. Guinea Monsoon Winds

77. One is the main characteristics of desert and semi-desert vegetation in Africa?

A. They have high species diversity and thick growth.
B. Most of the trees are hard wood and iron wood
C. Most plants are cold resistance like Asta and Gibera.
D. They store water in their spongy leaves to reduce water loss through transpiration.

78. According to 2009 the UN population data sheet, one is the major characteristics of population in developing countries?

A. High life expectancy
B. High Old age group than developed countries
C. High infant mortality rate
D. High median age

79. The difference between Birth Rate and Death Rate expressed in percentage refers to_____

A. age dependency ratio
B. rate of natural increase
C. population density
D. crud birth rate

80. Migration from Arabian Peninsula to Yemen is-

A. external migration
B. inter-continental migration
C. intra-continental migration
D. international migration

81. What is the **advantage** of migration for receiving countries?

A. Loses people in work age group
B. To overcome labor shortage
C. Limited skilled educated people
D. Racial tension

82. Which one is the **most** populous country in the continent of Africa?

A. Nigeria
B. Ethiopia
C. Egypt
D. Algeria

83. One of the following is advantages of diversifying exportable items?

A. Increase the prices of fluctuation of world market prices
B. Reduce the prices of fluctuation of world market prices
C. Increase the dependence on one item
D. Discourage producers to raise their income

84. Which continental winds that prevail in winter over the greater part of the red sea and central Ethiopia?

A. Northeast trade winds
B. Equatorial easterlies winds
C. Equatorial westerly's winds
D. Monsoon winds

85. Who was an influential economist, viewed that the solution to the problem of over Population was socialism not capitalism in 19^{th}c?

A. Robert Malthus
B. Eratosthenes
C. Esther Boserup
D. Karl Marx

86. Which one of the following region is **high** percentage of Urbanization in Africa?

A. Central Africa
B. East Africa
C. North Africa
D. South Africa

87. Which one is correct the population pyramid of developing countries?

A. Population pyramid with narrow apex
B. Population pyramid with the same at the top and at the base
C. Population pyramid with wide at the top
D. It has rectangular shape

88. What is the effect of high rate of natural increase with the length of doubling time of the population?

A. It will increase the doubling time of the population
B. It will have no impact on the doubling time of the population
C. It will decrease the doubling time of the population
D. There is no relationship between high rate of natural increase and doubling time of the population

89. Identify correctly combine the leading producers of African countries with the following mineral resources?

A. Petroleum - Nigeria
B. Diamond - Angola
C. Gold - Mozambique
D. Cobalt - South Africa Republic

90. Which one is the **Demerit** of migration for losing countries?

A. Increase number of unemployment
B. Increase the number of skilled workers
C. Increase Brain Drain
D. Reduce pressure on job and resource

91. If you live at a place located close to the sea, the weather condition of the area is very much affected by condition of the water of the sea or lakes. Hence,

A. temperature of the sea becomes neither too warm nor too cold.
B. nights in the area become cooler at the places found closer to the sea than places found far away from the sea.
C. influence of the water body increases as one move away from the sea.
D. winds blow from the land to the sea during day time.

92. Which relief situation does not characterized peripheral area of Ethiopia?

A. Highlands & mountains
B. Plains
C. Low lands
D. Depressions

For questions 93 -- 95 refer to the demographic and economic data given below. These questions should be attempted only by <u>Non-Blind</u> Candidates.

Male population----------4.5 million

Female population----------5.5 million

Urban population----------60% of the total population

Total live births----------50,000

Total deaths----------30,000

Number of infants who died below1 years age ----1,000

Women ages 15-49 years ----------10,000

Total area ----------50,000 km^2

Cultivated area is one over five of the total

Population ages below 15 years is----------45% of the total

Populations ages above 64 years----------5%

Net migration rate----------zero

93. Infant mortality rate (IMR) of the country is.

A. 44/1000 C. 20/1000
B. 112/1000 D. 94/1000

94. The rate of natural increase (RNI).

A. 1.2% C. 2.2%
B. 0.12% D. O.2%

95. The age dependency ratio (ADR) is__

A. 85% C. 50%
B. 100% D. 90%

Questions 96--100 Are Based On The Map Provided On The Next Page. These Items Should Be Attempted By <u>Non-Blind</u> Candidates.

96. What is the approximate crow flight distance between points B and I?

A. 12km C. 8km
B. 14km D. 6km

97. What would be the shortest distance for the rail way on the contour map between points B and D?

A. 17.5km C. 18.5km
B. 19.5km D. 15.5km

98. Which of the following spots are inter visible?

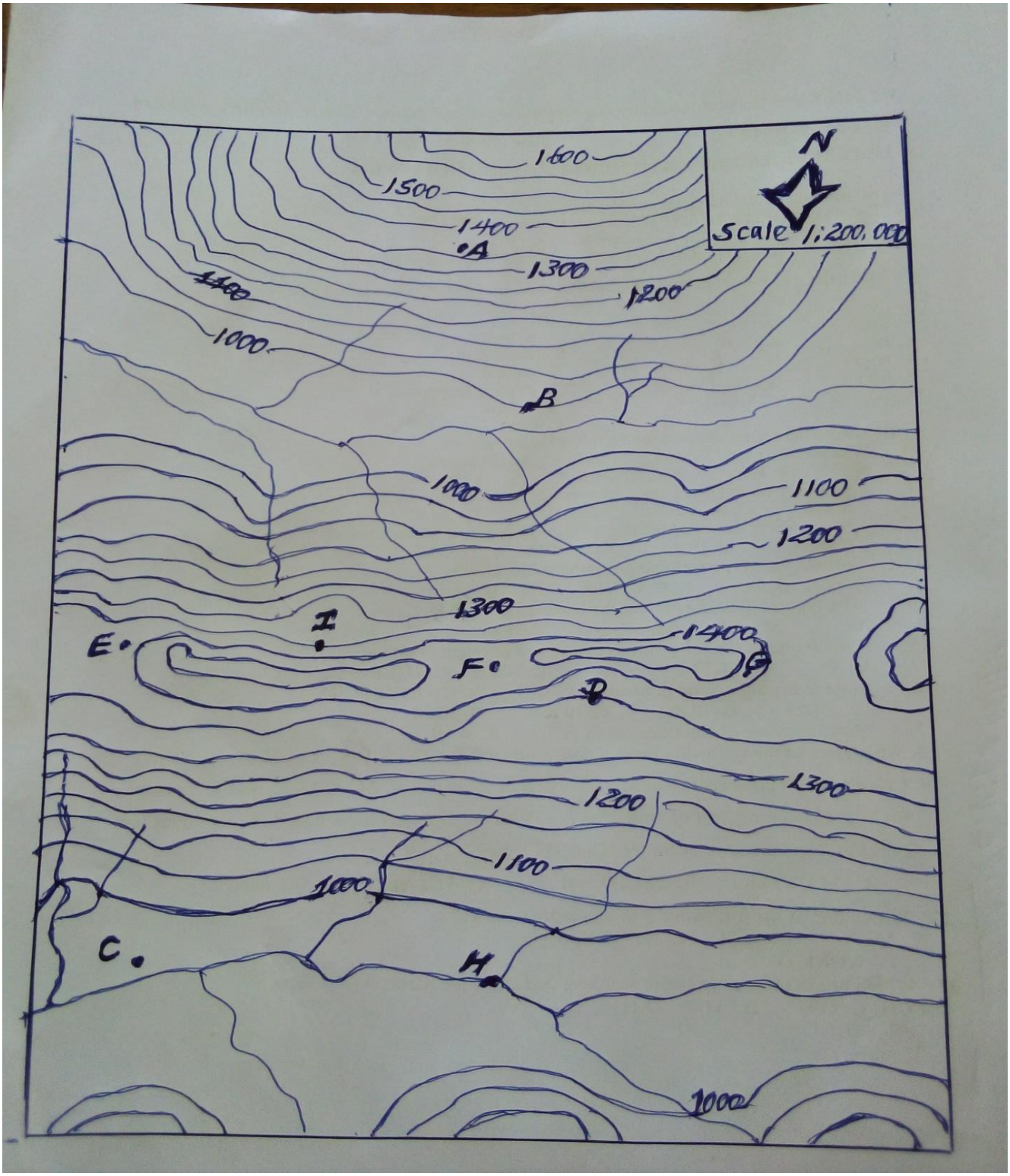
A. E and D C. C and H
B. F and G D. E and F

99. Which of the following points located on confluence?

A. C C. F
B. H D. B

100. In which traditional agro climatic zone of Ethiopia is the area shown on the map found?

A. Wurch C. Dega
B. Woina Dega D. Qolla


N
Scale 1:200,000
1600
1500
1400
A
1300
1200
1000
B
1000
1100
1200
1300
E
I
F
1400
G
D
1300
1200
1100
1000
C
H
1000

Questions 101-108, Which Should Replace Map Reading Questions, Must Be Done Only By <u>Blind</u> /Visually Impaired Candidates /.

101. The abiotic features of the ecosystem includes:

A. population C. animals
B. rocks D. plants

102. Which of the following physical components of the earth comprises soil?

A. Hydrosphere C. Biosphere
B. Atmosphere D. Lithosphere

103. The number of births that occur in a given year per woman in the reproductive ages, presented in five-year age group is----------

A. age specific fertility rate C. general fertility rate
B. total fertility rate D. crude fertility rate

104. Which one of the following countries in the Horn of Africa is smallest in size?

A. Ethiopia C. Djibouti
B. Somali D. Eritrea

105. One of the following is a soil conservation measure?

A. Over cultivation C. Slash and burn
B. Use of tractors for cultivation D. Terracing

106. Which part of the south eastern low land is located in Bale?

A. Benadir plains C. Borena plains
B. Ogaden plains D. Elkeri plain

107. In which atmospheric layer, we are most familiar with contains the majority of earth weather?

A. Stratosphere C. Mesosphere
B. Troposphere D. Thermosphere

108. Which one of the following continents has territories in all the four hemispheres?

A. North America C. Africa
B. Australia D. Asia