Geography

600 Entrance exam model questions & Exercises with their answers

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Designed For Grade **12** Social Science Students

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Preface to the production of the model exam type document

The author (Dr. ***Mengistu Meresa***) has prepared this important & decisive educational document aiming to increase academic performance of social science students. The preparation of this educational document has three specific objectives.

The 1st objective is to increase the learning interest and knowledge of Grade 12 social science student's in the field of geography subject.

The 2nd objective is to contribute my special support by offering model or synonymous exercises to those Grade **12** social science students who are ready to take the national university entrance examination. As a result of this support the students' performance, achievement and outcome could be scale up and they can score high grade or pass mark.

The 3rd objective is to encourage other staff member teachers to prepare similar question items based on their own subjects mainly to help Grade 12 entrance examinee students.

This new module is modified and revised again in 2016 E.C by the same author to incorporate important academic contents of the new curriculum. Therefore, currently this revised and finalized reference module has a total of **600** question items with their answers. Regarding the share and source of the question items by grade level, 10%, 10%, 30% and 50% question items are extracted from Grade 9, 10, 11 and 12 text books respectively and the question items are assessed from both the old and new curriculum of 9-12 Grade level students' text book including teachers' guide and syllabus.

All the question items are compiled from the booklets that had dispatched by the Educational assessment and examinations service (EAES) Ethiopian secondary school leaving certificate Examination in the last 11 years (2004-2015 E.C). The compiled document mainly dealt with special emphasis on **physical geography** of the world, Africa and Ethiopia. The contents of the material also attempted to give much information concerning *population* and *map reading* dynamics. The exact answers for each question are given at the last page of the module. Therefore, teachers, students or other readers can cross check their own chosen answers with the exact answers provided by the author.

Acknowledgement

First of all, I would like to thank all Dilla, Koffe and Dama secondary schools geography department teachers for their great contribution in selecting and constructing basic question items. Lastly, my grateful thank goes to Dilla secondary school directors, Dilla town administration education office and Gedeo zone education department who supported me in advising and proof reading this final consolidated document.

I hope **G12** *students will practice the entire questions day & night. I wish you pass the national entrance Exam & join one of the Ethiopian Universities!*

Promise, promise, promise, promise is promise!

Thank you!!

Author: **Mengistu Meresa (PhD)**

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Direction i: Choose the best answer from the given alternatives

1. The concept of continental drift theory (1912) was proposed by
   A. Aristotle
   B. Humboldt
   C. Alfred Wegener
   D. Malthus

2. Of the following present world continents which one is believed to be part of Gondwanaland?
   A. Europe
   B. North America
   C. Asia
   D. Africa

3. Which one of the following land features is formed as a result of convergent plate boundaries?
   A. Fault
   B. Islands
   C. Crack
   D. Rift valley

4. Of the following geological processes which one is caused due to internal forces?
   A. Earthquake
   B. Volcanism
   C. Faulting
   D. All

5. Of the following worldwide mountains which one is belonging to young fold mountain?
   A. Atlas mountain
   B. Urals mountain
   C. Scandinavian mountain
   D. Appalachian mountains

6. Of the following landforms which one is formed as a result of parallel faults on the surface of the earth?
   A. Rift valley
   B. Fold mountain
   C. Block Mountains
   D. A & C

7. Of the following weathering actions which one is/are common to both physical and chemical weathering process?
   A. Plants & animals action
   B. Rain action
   C. Thermal expansion & contraction
   D. Frost action

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8. Due to expansion & contraction weathering process on rocks, the rock layer removes off and falls to the ground. This removal of outer rock layers is known as_____
   A. Soil erosion
   B. Gully erosion
   C. Exfoliation
   D. Rill erosion

Leto

9. Sof Omar cave in weyb-river located in Bale is formed as a result of
   A. Rain action
   B. Frost action
   C. plants and animals
   D. Thermal expansion & contraction

10. Which one of the following agents is not a major cause of soil erosion?
    A. Running water
    B. Wind
    C. Soil conservation
    D. Glaciers melting

11. Which one of the following landforms is associated with a lower river course?
    A. V-shaped valley
    B. Delta
    C. Meanders
    D. Falls & Rapids

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Leto

12. Which of the following landform is associated with wind action?
    A. Barkhan
    B. Rill erosion
    C. Sheet erosion
    D. Gulley erosion

13. Which one of the following is not an effect of climate change?
    A. Sea level rise
    B. Ice melting
    C. Existence of biodiversity
    D. Flooding

14. According to IPCC 3rd assessment report (2001), the warmest decade was
    A. 1960 B. 1970 C. 1980 D. 1990

15. When is the sun's maximum solar energy emitted?
    A. when there are less sun spot
    B. when there are more sun spot.
    C. when there are no sun spot
    D. All are correct

16. Of the following atmospheric elements which one is the most a heat trapping greenhouse gas?

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A. Carbon dioxide. C. nitrous oxide
B. methane D. water vapor

17. Rising of global temperature for many years leads to _____
A. Stronger hurricanes C. Loss of wild life
B. Ice melting D. All

18. In the activities of minimizing the negative effect of climate change, which one is the best adaptation strategy in Ethiopia?
A. Irrigation C. Crop diversification
B. Stone terracing D. All

19. Of the following features which one is <u>not</u> characteristics of African rivers
A. Steady flowing C. Presence of falls
B. Fluctuation D. exotic nature

20. Which one of the following does <u>not</u> characterize the desert climate vegetation type?
A. long root C. broad leaf
B. xerophytes D. Oily leaf

21. Which two African countries are known as lower course of Nile basin?
A. Kenya & Ethiopia B. Tanzania & Uganda
C. Sudan & Libya D. Sudan & Egypt

22. A brown color in topographic maps represents.
A. vegetation cover C. water body
B. relief feature D. Desert area

23. Much of Horn of Africa relief structure is dominated by:
A. plain C. mountains
B. plateau D. depression

24. A possible vegetation conservation measure in urban areas is
A. Agroforestry C. Afforestation
B. reforestation D. Social forestry

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25. Let say two places are located 8^0 apart. Thus, the distance between the two please in km could be
    A. 888 km B. 999 km C. 111 km D.222 km

26. Many volcanic mountains of Africa are concentrated in _____ Africa.
    A. central C. western
    B. eastern D. central

27. The concept of continental drift theory globally was raised in the
    A. 1812s C. 2012s
    B. 1712s D. 1912s

28. The extreme point that lies at the tip of Northern Africa is
    A. Cape Bon C. Guarduffi
    B. Agulhas D. Cape Verde

29. Of the following main climate control elements which one determines the climate of Ethiopia?
    A. Latitude C. Altitude
    B. Ocean currents D. Distance from the sea

30. _____ is used to show equal cloud cover distribution on topographic maps.
    A. Isobars C. Isotherm
    B. Isoneph D. Isohyets

31. _____ is used to show relief depths of oceans.
    A. Isodapane C. Isobaths
    B. Isohyets D. Isoneph

32. Which of the following is true about the shape of Africa?
    A. Its shape is perfect circle.
    B. its shape is approximately compact.
    C. its shape is elongated.
    D. its shape is relatively fragmented.

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33. One of the following is not part of a river at its upper course.
    A. flood plain C. V-shaped valley
    B. water fall D. concentration of sediments

34. One of the following rain types is familiar in the equatorial rainforest region. Which one is it?
    A. Orographic C. frontal
    B. Convectional D. cyclonic

35. Which statement is false about plantation Agriculture?
    A. it is a large scale of agriculture
    B. it is based on modern techniques.
    C. It is a traditional agriculture
    D. It was introduced by Europeans.

36. Which one of the following is not a renewable natural resource?
    A. Coal & Petroleum C. Soil & Solar energy
    B. Air & Wind D. Forest & Water

37. Which geographic regions is highly infected by HIV/AIDs
    A. USA C. Europe
    B. North Africa D. Sub-Saharan Africa

38. Which layer of the atmosphere is the nearest to the surface of the earth?
    A. Troposphere C. Mesosphere
    B. Stratosphere D. Thermosphere

39. The natural land bridge that has connect Africa with Asia is
    A. Gibraltar C. Swizz canal
    B. isomthus of Suez D. Mediterranean sea

40. Genale river becomes _____ river in the Somalia territory
    A. Athbara C. Juba
    B. Sobat D. Berbera

41. Which school of thought emphasized on the two ways relationship exists between human and the environment?
    A. Environmental determinism C. Applied geography

B. Environmental possiblism D. Biogeography & history

42. Which plateau serves as water shed between *Awash* & *Abay* river basins?
    A. Mt of Tigray C. Mt of Southwestern
    B. Mt of Shewa D. Mt of Central massifs

43. The great east African rift-valley extends from _____ to _____.
    A. China to Mozambique C. Turkey to Tanzania
    B. Syria to Chewbahir D. Syria to Mozambique

44. In Ethiopia, which of the following winds are prevalent in winter season?
    A. Equatorial easterlies C. south east Tropical winds
    B. Equatorial westerlies D. Northeast trade winds

45. Water bodies that are the most responsible for summer rain fall in Ethiopia is
    A. Red sea C. Arctic
    B. Mediterranean sea D. Atlantic Ocean

46. Which vegetation type is dominant in Agro Alpine Agro-climatic zone of Ethiopia?
    A. Warka&Sholla C. kerkeha&kosso
    B. mosses & lichens D. shrub & long grasses

47. Gallery forests refers to
    A. Afro Alpine forests C. Reverie forests
    B. lowland forests D. Desert forests

48. What is the advantage of water Falls of African Rivers to the continent?
    A. is important for hydroelectric power
    B. is important for irrigation.
    C. is important for navigation
    D. is important for fishing

49. In which months the sun's angles become high in Africa?
    A. march, April and may
    B. June, July and August

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C. December, January & February
D. September , October and November

50. The type of population policy used in Ethiopia is to promote
A. Low fertility rate C. low economic growth
B. high fertility rate D. high dependency ratio

51. Which of the following lakes of Ethiopia is not found in the rift-valley system?
A. Ashenge B. Tana C. Haik D. All

52. What are the Adverse impact of rapid urbanization
A. Better housing C. good provision of schools
B. Unemployment D. All

53. Geologically, which area is the most unstable part of Ethiopia?
A. The North western high land
B. The North central massifs
C. the rift valley
D. the Abay gorge

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54. Which type of data collection is original in its character
A. secondary data C. primary data
B. unpublished data D. internet data

55. What is the most economic significance of Awash River?
A. Tourism C. Hydroelectric power generation
B. Irrigation D. Navigation

56. What is the economic significance of BaroRivers?
A. Tourism C. Hydroelectric power generation
B. Irrigation D. navigation

57. The largest and the deepest lake sin Africa respectively are
A. Victoria and Tanganyika C. Tanganyika & Victoria
B. Victoria &Tana D. Chad & Turkana

58. Among the following one is not the cause for high rate of fertility.
    A. Low level of family planning
    B. early marriage
    C. unsafe sex
    D. high social status of women

59. Except one all are human made causes for deforestation
    A. overgrazing
    B. Burn practice
    C. Desertification
    D. cutting trees

60. Which event took place during Mesozoic era?
    A. heavy erosion
    B. Orogenesis
    C. epeirogenesis
    D. denudation

61. Which part of the Geosphere is termed as rock layer of the earth
    A. Biosphere
    B. lithosphere
    C. atmosphere
    D. Hydrosphere

62. Tekeze river becomes _____ rive in the Sudan territory
    A. Juba
    B. Atbara
    C. Sobat
    D. Blue Nile

63. Africa is located between $37^{0}52`N$ and $34^{0}52`S$ latitudes. This expression is a best example of
    A. relative location
    B. Geological location
    C. Astronomical location
    D. local location

64. The largest drainage basin in the world is
    A. Congo basin
    B. Niger basin
    C. Nile basin
    D. Amazon basin

65. Which present continent is Not part of Gondwanaland
    A. N. America
    B. S. America
    C. Africa
    D. Australia

66. Which continent is crossed by all equator, prime meridian, tropic of cancer and Tropic of Capricorn
    A. Asia
    B. Africa
    C. Europe
    D. North America

67. Africa gets closer to Europe across strait of Gibraltor between two countries
    A. Tunisia & Spain
    B. Tunisia & Italy
    C. Morocco &Spain
    D. Morocco & Portugal

68. Dinosaurs disappeared from the earth during the
    A. Early of Mesozoic
    B. Early of Cenozoic
    C. end of Mesozoic
    D. end of Paleozoic

69. Series trapping lava and volcanic eruptions were common during
    A. Mesozoic era
    B. Cenozoic era
    C. Precambrian era
    D. Paleozoic era

70. The lowest depression of Africa called Qattaro with 132 m depth is found in the country_____.
    A. Sudan
    B. Libya
    C. Egypt
    D. Chad

71. In which drainage pattern do rivers flow in all directions away from a raised volcanic feature?
    A. in trellis pattern
    B. in radial pattern
    C. in centripetal pattern
    D. In dendritic pattern

72. Which one is the environmental problem of more developed countries?
    A. deforestation
    B. wastes of industries
    C. erosion
    D. flood

73. The point at which an earth quake originates is called_____.
    A. focus B. hole C. epicenter D. crater

74. A day today change in temperature, rainfall and humidity is known as__
    A. climate
    B. weather
    C. sunny day
    D. cloud cover day

75. Which of the following is not Endogenic (internal) force
    A. volcanism
    B. erosion
    C. faulting
    D. folding

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76. An industry with the lowest polluting effect is
    A. tourism
    B. mining
    C. manufacturing
    D. charcoal production

77. The meaning of a symbol on topographic map can be obtained from the
    A. title B. key C. Scale D. color

78. Which of the following is <u>not</u> true about contour lines?
    A. They are drawn at different high interval.
    B. They can merge in the case of cliffs
    C. They are continuous lines.
    D. They show the same elevation of places.

79. A drawing instrument used to enlarge or reduce a map is
    A. meter B. degree C. square D. pantograph

80. The equatorial rainforest of Africa is characterized by
    A. soft wood trees
    B. low temperature
    C. evergreen
    D. low ppt

81. Which one of the following characterizes the desert climate
    A. Savanah grasses
    B. Xerophytes plants
    C. Broad leaf
    D. Bush Woods

82. Africa's population experience very sharp growing mark since the ____
    A. 1990s B. 1850s C. 1800s D. 1700s

83. Which wild animal species in Ethiopia is critically endangered?
    A. Zebra B. Wolf C. Nyala D. lion

84. In Africa, which wild animal is <u>not</u> considered as a group of the big five game animals".
    A. Elephant
    B. Rhinoceros
    C. Buffalos
    D. Giraffe

85. The top two leading rubber producer countries in the world are
    A. India & china
    B. Vietnam & Malaysia
    C. Thailand & Indonesia
    D. Malaysia &Korea

86. The most common type of population migration in Ethiopia is
    A. rural-urban
    B. urban –rural
    C. rural-rural
    D. urban-urban

87. Which one of the following is <u>not</u> a factor of fertility
    A. early marriage
    B. sex preference
    C. Death rate
    D. birth rate

88. Which one of the following is <u>not</u> feature of censuses
    A. government sponsorship
    B. individual sponsorship
    C. periodicity
    D. university

89. The formula = $\left(\frac{\text{Rural population}}{\text{Arable land}}\right)$ gives us the
    A. crude density
    B. Population density
    C. Agricultural density
    D. urban density

90. Among the African five regions, which one is the most urbanized region?
    A. Western
    B. Southern
    C. Eastern
    D. Central

91. Identify the three important controls of population change
    A. children, Adult, old age
    B. Fertility , morality ,migration
    C. dependency , infant ,children
    D. emigration, migration, death

92. Which of the following is <u>wrong</u> about the African population
    A. high young population
    B. low doubling time
    C. high growth rate
    D. low age dependency ratio?

93. Which physiographic division of Ethiop is well known for massive sedimentary formation
    A. North western highlands
    B. North central massifs
    C. southwestern highlands
    D. southeastern highlands

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94. Which of the following alternatives is a good indicator of the geological nature of Ethiopian rift-valley?
    A. drought and famine
    B. wide spread of springs
    C. rapid loss of vegetation
    D. intensive land Degradation

95. Since ancient times, Ethiopians have been extracting Gold mainly from
    A. Mesozoic marine deposits
    B. quaternary lava rocks
    C. alluvial deposits
    D. Old crystalline rocks

96. Which natural world zone is characterized by distinct seasonal weather
    A. Frigid zone
    B. Temperate zone
    C. Tropical zone
    D. Polar zone

97. In which part of Ethiopia is the upper sand stone the oldest in age
    A. south eastern
    B. north western
    C. north eastern
    D. south western

98. To which geological era do you associate extensive coal deposit in Ethiopia
    A. Cenozoic
    B. Mesozoic
    C. Precambrian
    D. Paleozoic

99. Adigrat sand stone of Ethiopia was deposited during the ____ period.
    A. Triassic
    B. Jurassic
    C. cretaceous
    D. quaternary

100. Which force is responsible for the formation of fold mountains
    A. faulting
    B. Tensional force
    C. compressional force
    D. vertical force

101. Where in Ethiopia a large area is covered by igneous rocks
    A. Central Ethiopia
    B. Western Ethiopia
    C. Eastern Ethiopia
    D. Northern Ethiopia

102. Which of the following statements describes the tropical region of the earth
    A. it is the middle latitude
    B. it is the high latitude
    C. it is the low latitude
    D. it is the coldest region

103. The weak light that radiates in the sky before the rise and after sun set is known as.
A. dusk B. down C. twilight D. Deem light

104. Which part of Ethiopia is known for its high potential of geothermal energy?
A. Shewan plateau
B. rift valley
C. North central
D. Ogaden low land

105. One can associate the fertile volcanic soils of Ethiopia with
A. Precambrian era
B. Mesozoic era
C. Cenozoic era
D. Paleozoic era

106. The ancient Greek philosopher known as Aristotle classified the earth in to three natural zones based on the criteria of
A. ppt
B. degree
C. temperature
D. Vegetation cover

107. Cone projection is best suited for the projection of
A. Polar region
B. Temperate region
C. tropical region
D. equatorial region

108. Which standard color on topographic map is wrongly associated
A. Brown → relief
B. Blue → water body
C. Green → Vegetation cover
D. Red --→ capital city

109. The known ancient astronomer who constructed latitude and longitudes network is called.
A. Magellan
B. Ptolemy
C. Aristotle
D. Eratosthenes

110. What is the entire space that contains all existing bodies in the heavens
A. Milk way
B. Galaxy
C. universe
D. Solar system

111. Among the following sub-regions which one has a dry summer and wet winter?

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A. Sahara desert C. Taiga
B. Tundra D. Mediterranean

112. Which economic activity deals with Agriculture
A. Secondary activity C. primary activity
B. Tertiary activity D. service activity?

113. Which of the following is the highest settlement pattern in the pyramid of urban hierarchy?
A. city C. megalopolis
B. metropolis D. conurbation

114. Which of the following alternatives is a human–made cause for global climate change?
A. Ocean currents C. continental drift
B. emission of $C0_2$ D. volcanoes

115. Where is the origin of wind that bring spring and Autumn rain to Ethiopia
A. Indian ocean C. Red sea
B. Atlantic ocean D. Mediterranean Sea

116. Which of the following activities decreases soil fertility
A. over cultivation C. manuring
B. crop rotation D. fallowing

117. Which one of the following are the major weather and climate control of Ethiopia and the horn of Africa.
A. latitude C. wind
B. Altitude D. air pressure

118. Which of the following demographic factors is different from the others?
A. census C. mortality
B. Fertility D. migration

119. Which of the following sub-regions belongs to the tropical zone?
A. Tundra area C. coniferous forest region
B. Arctic region D. Savanna grassland

120. Of the following plant species which one belongs to xerophytes
A. olive B. cactus C. mahogany D. Juniper

121. Which one of the following is termed as arboreal wild animal
A. Tiger B. fish C. Monkey D. Crocodile

122. The equatorial rain forests of the world are characterized by
A. evergreen C. hard wood trees
B. broad leaf D. all

123. In geography the most widely used graphs to analyze data's are
A. Bar graphs and line graphs
B.dot maps and pie charts
C. line graphs and histo graphs
D. Histo graphs and pie charts

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124. Of the following Ethiopian lakes which one is different
A. Lake Haik C. lake Tana
B. Lake Ashenge D. lake Shala

125. Isohyet contour lines on maps are used to show equal points of
A. rain fall C. temperature
B. cloud cover D. elevation

126. In terms of individual trade partner countries, the major export destination for Ethiopia is
A. China C. Saudi Arabia
B. U.S.A D. Germany

127. Of the following Ethiopian economy, which one is an element of service sector?
A. mining C. flowers
B. education D. cash crops

128. Which one of the following areas does not considered as part of western lowlands of Ethiopia.
A. Settit low lands C. Elkeri plains
B. Angereb plains D. Ghibe low lands

129. What was the contribution of Alfred Wegener (1912)
   A. He taught adverse impact of population growth
   B. He classified the major world climates
   C. He calculated the diameter of earth
   D. He suggested the continental drift theory

130. Which winds bring rainfall to most parts of Ethiopia during summer season?
   A. south east monsoon winds
   B. Northeast trade winds
   C. equatorial westerlies
   D. A and B

131. GPS is used to show
   A. elevation
   B. Direction
   C. location
   D. all

132. Let's say a church located at an altitude of 4000m and a school located at 2000m are to be Joined with a rail way. Then the shortest possible distance for the rail way could be
   A. 50m
   B. 50cm
   C. 50km
   D. 50mm

133. GIS can be used for the purpose of
   A. scientific research
   B. military base management
   C. Traffic control
   D. all

134. Which one of the following is a common feature in the upper course of a river?
   A. meander
   B. falls & rapids
   C. ox-bow lake
   D. flood plain

135. Geographical research paper is said to be complete when
   A. hypothesis is made
   B. data is analyzed
   C. research problem is identified
   D. report is presented

136. Which one of the following is the <u>first</u> step during research project?
   A. Identification of research problem
   B. Designing research
   C. setting objectives
   D. data analysis

137. Which one of the following is a wrong statement
   A. maps are two dimensional materials
   B. Globes are three dimensional models
   C. maps are three dimensional materials
   D. globes are expensive to produce but maps

138. Which of the following types of maps is different
   A. Topo sheet map
   B. thematic map
   C. special purpose map
   D. Topical map

139. The extreme point that lie at the western tip of Ethiopia is
   A. Ogaden B. Akobo C. moyale D. Badime

140. Which neighboring country shares the longest boundary line with Ethiopia?
   A. Eritrea
   B. Somalia
   C. Djibouti
   D. Sudan (both)

141. Which type of research is expected to solve school problems immediately?
   A. action research
   B. applied research
   C. Basic research
   D. Fundamental research

142. Of the following which one is true about sketch map
   A. sketch maps are a guide line
   B. sketch maps are drawn quickly
   C. sketch maps are crude in nature
   D. all

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143. Of the following Ethiopian lakes, which one is termed as high land lake
   A. Lake shalla
   B. Lake Ziwaye
   C. Lake Ashenge
   D. Lake Chamo lake

144. All the rivers listed below drain to the southeastern high lands of Ethiopia Except
   A. Genale river
   B. Wabishebele river
   C. Omo-Ghibe river
   D. Juba river

145. It is fact that when altitude increases temperature decreases. This is because.
   A. Air is thin at high altitudes
   B. Due to low pressure at high altitudes
   C. low areas heat first then later high altitudes
   D. all are true answers

146. In the Ethiopian history which settlement was established for defense purpose?
   A. Yirgalem
   B. Mekele
   C. Adama
   D. Hawassa

147. Which ocean currents do <u>not</u> affect the African continent
   A. Hurricane
   B. canary cold current
   C. Mozambique warm current
   D. Bengula cold current

148. Among the following African mountains, which one is termed as young fold mountain?
   A. Atlas
   B. Drakensberg
   C. cap range
   D. Kilimanjaro

149. If the altitude of a given mountain is 6000m asl and the temperature at sea level is 10^0C, then what will be the expected temperature at the top of the mountain?
   A. -28.4^0C
   B. -18.4^0C
   C. 2.84^0C
   D. 28.4^0C

150. Various high land of Ethiopia get sufficient rain fall in July from
   A. guinea monsoon winds
   B. southeast monsoon winds
   C. equatorial easterlies
   D. Northeast trade winds

151. Which of the following statements is <u>wrong</u> about the climate of equatorial rainforest region?
   A. high annual mean temperature
   B. high sun angle
   C. high annual rainfall
   D. high annual range temperature

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152. Among the following African countries which country is not found within the Sahel region?
A. Ethiopia B. Sudan C. Chad D. Tunisia

153. A deep wide "u" shaped valley is a feature of
A. upper course of a river C. lower course of a river
B. middle course of river D. mouth part of a river

154. The settlement of Addis Abeba is a best example of
A. Linear settlement C. dispersed settlement
B. Nucleated settlement D. none

155. According to map makers, any maps are called two dimensional materials. Because maps have lacked.
A. Length B. height C. Area D. Width

156. Africa gets closest to Europe across the
A. Strait of Gibraltar C. strait of Babel Mandab
B. Suez cannal D. Mediterranean sea

157. The major (nearly 72%) land forms of Africa is characterized by
A. Plateaus C. Plains
B. mountains D. valley

158. Among the following African countries, which are the leading producers of crude petroleum?
A. Egypt, chad, morocco C. Libya , Algeria, Nigeria
B. Senegal, Ghana, Gambia D. Libya ,Algeria ,Kenya

159. Of the following which one is not an indicator of development
A. Per capital income C. Living standard of people
B. GDP D. Fast population growth

160. Which of the following is wrong about scientific research
A. Research leads to mistakes
B. Research helps to solve problems
C. Research helps to gain new knowledge
D. Research helps to formulate sound policies.

161. Which of the following steps should come first during conducting research projects
   A. Identifying causes of problems
   B. Formulating research objectives
   C. Identifying research problems
   D. Preparing the final report

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162. Of the following components of a research, which one is <u>not</u> part of methodology step?
   A. data sources
   B. Objectives
   C. sample size
   D. sampling technique

163. Based on purpose, which type of research is used to accommodate sufficient knowledge?
   A. Basic research
   B. Action research
   C. applied research
   D. none

164. The most overlying Mesozoic rock in Ethiopia is
   A. Hintalo lime stone
   B. Adigrat sand stone
   C. upper sand stone
   D. basement complex

165. Which one of the following tool is classified as a secondary data sources?
   A. Newspaper
   B. questionnaire
   C. observation
   D. interview

166. Of the following which one is <u>not</u> an element of topographic map
   A. Topo sheet map
   B. topical map
   C. Topo map
   D. General purpose map

167. Among the following field of physical geography which one studies about the forces that changes the land forms.
   A. Geomorphology
   B. Climatology
   C. Soil geography
   D. Ocean geography

168. The settlement of Afar people of Ethiopia in general is a best example of
   A. Dispersed settlement
   B. Nuclear settlement
   C. linear settlement
   D. none

169. According to Geographers study report, the choice of settlement site is highly influenced by
A. fertile soil B. water supply C. absence of disease D. all

170. Which of the following Ethiopian city/town is a rout oriented modal town.
A. kombolcha C. Adama
B. Mekele D. Hawasa

171. Who defined geography as a science that explains the spatial distribution of plants, animals and human on the surface of the earth
A. Von Humboldt C. Magilan
B. Ptolemy D. Aristotle

172. In which physical environment of the earth, the human population belongs to
A. Biosphere C. hydrosphere
B. lithosphere D. Atmosphere

173. A land from whose formation associated with wind action is
A. levees B. logon C. deltas D. Deposit loess

174. A type of cloud that causes lightning, strong rain and winds is called
A. Cumulus C. cumulonimbus
B. stratus D. nimbostratus

175. The dominant winds in south & south East Asia are known as
A. Monsoon winds C. jet streams
B. planetary winds D. local winds

176. Concerning population data, birth and death certificates are an example of
A. vital registration C. census
B. sample survey D. citizen ship

177. Which one of the following mineral resource has a vegetation background?
A. clay B. coal C. limestone D. potash

178. Which one of the following is not correctly matched about geological time and major evolutionary events?
   A. Paleozoic → birds
   B. Cenozoic → mammals
   C. Mesozoic → dinosaurs
   D. Precambrian → first organisms

179. A soil and water conservation structure which is practiced horizontally to reduce soil erosion particularly in steep regions is
   A. manuring
   B. Afforestation
   C. Stone terraces & Soil bunds
   D. strip cultivation

180. Which of the following statements is not correct about the African tropical rainforest known as Congo basin?
   A. the rain forest region is a broad leaf vegetation
   B. the rainforest region consists soft wood trees.
   C. the rainforest region is confined to central & western Africa.
   D. the rainforest region is characterized by high temperature and ppt though out the year.

181. In the rural areas of Ethiopia, temporary settlements are usually associated with _____.
   A. Mixed farming
   B. Nomadic herding
   C. Commercial farming
   D. Sedentary agriculture

182. Which one of the following rivers is characteristically different from other?
   A. Tekeze river
   B. Ghenale river
   C. Baro river
   D. Awash river

183. In which regional division of the African continent is Sudan found?
   A. Central Africa
   B. Eastern Africa
   C. northern Africa
   D. western Africa

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184. Which of the following regions of Africa experiences a more diversified economy?
   A. southern Africa
   B. central Africa
   C. Northern Africa
   D. eastern Africa

185. Why Africa experiences the hottest climate in the world
   A. due to the large size of the continent
   B. because Africa has many basins & plateaus
   C. longitudinal location of the continent
   D. latitudinal location of the continent

186. Which of the following farming practice is the main cause of intensive soil erosion in Ethiopia?
   A. Crop rotation
   B. Fallowing
   C. over cultivation
   D. mixed farming

187. The population of which of the following regions of Ethiopia has the lowest total fertility rate?
   A. Harari
   B.Oromiya
   C. Addis Abeba
   D. Gambela

188. Baro river is a tributary of _____ river
   A. Akobo B. Tekeze C. White Nile D. Blue Nile

189. The present land forms of Ethiopia mainly resulted from the geologic events of
   A. The Paleozoic are
   B. Tertiary and quaternary periods
   C. the Precambrian era
   D. The Jurassic and Triassic periods

190. Which areas of the following highlands of Ethiopia are the wettest?
   A. the bale massifs
   B. the south western highlands
   C. the shewan plateaus
   D. the North central massifs

191. Which of the following national regional states of Ethiopia has the highest percentage of its population leaving in the urban areas?
   A. SNNPR
   B. Oromiya
   C. Amhara
   D. Tigray

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192. Which of the following types of natural vegetation of Africa is usually found between the wetter and drier savannas?
A. high savanna C. Park savanna
B. Thorn scrub D. Tropical rainforest

193. As the results of the last three population censuses indicate, the trend of Rural –Urban migration in Ethiopia is
A. constant C. declining
B. rising D. A and C

194. Why is the area of Arsi-Ethiopia considered to be highly suitable for mechanized farming?
A. b/c it receives adequate reliable rainfall
B. b/c it is located near the center of the country
C. b/c it experiences low mean monthly temperature
D. b/c it uses irrigation system of agriculture

195. Which one of the following crops is mainly cultivated in the densely populated parts of Ethiopia?
A. Teff B. Enset C. Maize D. Barely

196. All of the following geological events took place in Africa during the Paleozoic era except
A. Denudation C. Oogenesis
B. Pen planation D. Formation of coal

197. _____ Drainage pattern develops in area where harder and softer rocks alternate?
A. Radial C. Dendritic
B. Trellis D. Rectangular

198. A drainage pattern which characterizes areas like the shewan plateaus is
A. centripetal C. dendritic
B. circular D. Radial

199. A drainage pattern which characterizes areas like the lake Tana basin is
A. centripetal C. Dendritic
B. Rectangular D. Radial

200. _____is a salty lake found in the Afar region
A. Ertale B. Afdera C. Fentale D. Methehara

201. Which of the following areas of Ethiopia is most densely populated
A. Gedeo B. Elkere C. metekel D. B and C

202. One of the following countries is not within the Sahel zone of Africa?
A. Mali B. Chad C. Morocco D. Niger

203. Where does a cyclonic rainfall occur?
A. where hot air rises and cools
B. when winds coming from warm and cold areas converge
C. when rain bearing descend from high to lower.
D. when winds coming from warm areas make contact with mountains.

204. Which land form is built as the result of folding?
A. Atlas C. lakes
B. Rift –valley D. Eastern African maintains

205. Which of the following characteristically grow on swampy of wet logged grounds?
A. Bamboo forests C. mangrove vegetation
B. savanna grasses D. Tid vegetation

206. What is the most extensive type of land form on the African continent?
A. river valley C. low lands
B. mountains D. plateaus

207. Which traditional temperature zones of Ethiopia has the largest percentage of population?
A. qolla and Bereha C. dega and woinadega
B. Dega and wurch D. woinadega and qolla

208. Which of the following is not true about the characteristics of peasant farms in Ethiopia?
A. highly fragmented C. low use of fertilizer
B. Predominantly rain fed D. their output is for market

209. Which one of the following describes the nature of African economic base?
    A. Dominated by service sector
    B. Dominated by primary sector
    C. Strong regional trade networks
    D. Less vulnerable to climate change

210. Which of the following is responsible for the present locations of the continents that once formed the single super continent known as Gondwanaland
    A. volcanism
    B. faulting
    C. continental drift
    D. natural region

211. Where do you find the richest and most diverse wildlife concentration in Africa?
    A. in the tropical rainforest
    B. in the savannah grass land
    C. in desert areas
    D. in river valleys and lakes

212. Which of the following is <u>not</u> among the main reasons behind high rates of soil erosion in Ethiopia?
    A. high rainfall
    B. expansion of Agriculture
    C. overgrazing by wild animals
    D. overgrazing by domestic animals

213. A population pyramid with a broad base and a narrow peak indicates the population character of
    A. less developed countries
    B. developed countries
    C. rich countries
    D. first world countries

214. Which of the following lakes of Ethiopia is found in a region known for its high production of salt?
    A. lake chewbahir
    B. lake chamo
    C. lake Afdera
    D. lake hashenge

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215. In which part of Ethiopia is quaternary lava most extensively found?
   A. in the Baro river C. in the wabishebele
   B. in the Rift valley D. in the Abay gorge

216. Which of the following is <u>not</u> a likely outcome of large scale deforestation and overgrazing?
   A. climatic change C. Greater biodiversity
   B. land degradation D. increased run off

217. Which region of Africa has most diverse climatic conditions and biodiversity?
   A. Eastern Africa C. western Africa
   B. Central Africa D. southern Africa

218. To which geological period do you associate extensive coal formation in Africa?
   A. Jurassic C. cretaceous
   B. Triassic D. carboniferous

219. Which geologic era in Ethiopia do dinosaurs belong
   A. early Cenozoic era C. Precambrian era
   B. end of Mesozoic era D. early Mesozoic era

220. Rapid rural population growth in Ethiopia has little contribution to
   A. Deforestation C. desertification
   B. pollution D. soil degradation

221. The rift valley lakes region of Ethiopia has a well-known potential in all of the following except:
   A. Tourism C. Thermal energy
   B. Fishery D. Gold mining

222. What proportion of the world's continental land surface does Africa constitute?
   A. One–fifth C. Ten percent
   B. One–third D. One-half

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223. Where do you find quaternary extensive lava field in Ethiopia?
A. Ogaden
B. Methehara
C. Elkere area
D. Borena area

224. What makes Ethiopia "the roof of North–Eastern" Africa?
A. its compact shape
B. its large proportion of Arable land
C. its large proportion of highlands
D. tis large proportion of rivers

225. An Ethiopian river which is relatively less suitable for generation of hydroelectric power is
A. Baro B. Abay C. Ghibe D. Tekeze

226. A form of Agriculture in Ethiopia in which farmers practice the rearing of livestock side by side with crop production is known as
A. Ranching
B. poultry
C. pastoral nomadism
D. mixed farming

227. One of the following does not belong to the group of key forces that explain the geologic history of Ethiopia?
A. Folding
B. faulting
C. Earth quake
D. mass movement

228. One of the following areas of Africa is known for its constantly hot and wet climate throughout years
A. Sahel region
B. Congo basin
C. Amazon basin
D. rift valley areas

229. Which of the following terms refers to deposits made by wind action?
A. fluvial
B. marine deposits
C. Aeolian deposits
D. lacustrine deposits

230. What is the term that refers to the process by which soluble minerals are washed down from the top soil by percolating rain water?
A. Deposition
B. Erosion
C. leaching
D. sedimentation

231. Which of the following Ethiopian lakes is located on an international boundary?
   A. Lake Chamo
   B. Lake Zuway
   C. Lake Abe
   D. Lake Hawassa

232. A length of 9^0 latitude on a map represents a distance on the ground equivalent to
   A. 111km B. 99km C. 999km D. none

233. One of the following is <u>not</u> among the principal problems of the African environment at present
   A. Overgrazing
   B. Chemical pollution
   C. Expansion of desert
   D. Decrease in biodiversity

234. An environmentally friendly technology that could generate heat and light using animal dug and water is
   A. Charcoal
   B. Biogas plant
   C. wind turbine
   D. improved wood stove

235. Petroleum as an energy resource is associated mostly with one of the following rocks.
   A. igneous
   B. Basement
   C. sedimentary
   D. metamorphic

236. Gold as metal resource is associated mostly with one of the following rocks
   A. igneous
   B. basement
   C. sedimentary
   D. metamorphic

237. The three most populous regional states of Ethiopia put in their rank order are
   A. Oromiya, Amhara, and Tigray
   B. Oromiya, SNNPR and Tigray
   C. Oromiya , SNNPR and Amhara
   D. Oromiya, Amhara, SNNPR

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238. According to the climate change reports (2022), the two countries contributing most to CO_2 emission to global warming are:
   A. USA and European
   B. USA and Germany
   C. USA and Britain
   D. USA and China

239. The present boundaries between the Ethiopian regional state (killils) could best be described as
   A. physical geographic
   B. Economic
   C. political –history
   D. Anthropogenic geographic

240. The energy demand of most of the people in Ethiopia is met by
   A. nuclear energy
   B. biomass energy
   C. solar energy
   D. hydroelectric power

241. All except one of the following belong to factors that hinder development in Ethiopia
   A. Lack of modern technologies
   B. Rapid population growth
   C. little saving
   D. poor natural resource base

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242. Which of the following components of the earth's atmosphere is known for its ability to absorb most of the high–energy ultraviolet radiation in sunlight?
   A. sulfur
   B. Ozone
   C. carbon monoxide
   D. chlorofluorocarbon

243. Which of the following economic activities uses the largest share of Agricultural land in Ethiopia?
   A. Horticulture
   B. Floriculture
   C. Animal grazing
   D. Crop cultivation

244. Where does the largest proportion of Ethiopia's coffee come from?
   A. from small holding of traditional farmers
   B. from wild coffee growing in the forests
   C. from large scale plantations
   D. from the back yards of urban dwellers

245. What is the main reason for the very high temperatures that are characteristics of places in the continental interior of the northern half of Africa?
   A. their lack of cloud covers
   B. their latitudinal location
   C. Their proximity to a warm ocean current
   D. their great distance from the sea

246. When does high pressure occur from over the African continent in the area that is found just to the south of the equator?
   A. in July C. in September
   B. in January D. in April

247. The two most power full greenhouse gases in the atmosphere are
   A. CO_2 and H_2O C. CH_4 and H_2O
   B. CO_2 and CH_4 D. CO_2 and NO_2

248. To what geological process does the term "orogeny" refer
   A. denudation C. mountain building
   B. Faulting D. erosion& sinking

249. What is the main criterion that is used to identify seasons as Bega, Belg, kiremit and meher in Ethiopia.
   A. Temperature distribution C. cloud cover
   B. Rainfall distribution D. A and C are correct

250. Which of the following features is not included in the topographic map of Addis Abeba?
   A. built up areas C. roads
   B. settlements D. weather and climate

251. The most suitable map projection for the <u>law latitude</u> of the world is
   A. azimuthal C. conic
   B. polar D. cylindrical

252. Ethiopia experiences overhead sun twice in a year. This particular feature could be attributed to its

A. Geological location
B. Absolute location
C. Vicinal location
D. Astronomical location

253. Which of the following towns is not a boarder's town of Ethiopia?
A. Moyalle
B. Humera
C. Baddme
D. Nekemte

254. As Adigrat sandstone is to Triassic period, then Hintalo lime stone is to
A. quaternary period
B. Tertiary period
C. Cretaceous period
D. Jurassic period

255. Which geological era is known as an era of amphibians?
A Cenozoic
B. Paleozoic
C. Mesozoic
D. Precambrian

256. One can associate the Cenozoic era with the formation of
A. metamorphic rock
B. Changed rock
C. sedimentary rock
D. Igneous rock

257. The plateau of Tigray is separated from the plateaus of Eritrea by
A. Abary River
B. Gidoulus River
C. Mereb River
D. Tekeze River

258. As the highest point is in the Semen Mountains of Ethiopia, the lowest point in the
A. Omo low lands
B. Elkere lowlands
C. Afar low lands
D. Ogaden low lands

259. The difference in altitude between the lowest and the highest point in Ethiopia is
A. 4736meter
B. 4504meter
C. 4670
D. 4620

260. If river Ghenale is to Juba, then river Baro is to _____
A. Sobat
B. Athbara
C. Blue Nile
D. White Nile

261. In terms of drainage system, which of the following river of Ethiopia is different?
A. Gehenale B.Baro C. Abay D. Tekeze

262. Among the following Ethiopian lakes which one is different in terms of location?
A. lake chamo
B.lake haik
C. lake zuway
D lake hawasa

263. The deepest and shallowest lakes of Ethiopia respectively are
A. Zuway and shalla
B. Shalla and Zuway
C. Tana and shalla
D. langano and Abyatta

264. Which one of the following should come first during a geographical research
A. Identify causes
B. Identify problems
C. formulating hypothesis
D. Designing sample sizes

265. The Art, science and technology of map-making is called
A. graphing
B. drawing
C. cartography
D. sketch

266. Which type of maps is used to show both natural and anthropogenic features on the same time?
A. Thematic
B. Specific maps
C. Topo sheets
D. topical maps

267. In one distribution dot map, there are 100 dots. If one dot represents 100 cattle, then the total number of cattle indicated on the map could be:
A. 1,000 B. 100,000 C. 10,000 D. 100

268. Isotherm contour lines on maps show _____.
A. equal cloud covers distribution.
B. equal pressure distribution.
C. equal temperature distribution
D. equal rain fall distribution.

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269. In the field of geography, physiographic features refers to
A. lakes C. oceans
B. rivers D. land forms

270. Which country is not a member of the horn of Africa?
A. Sudan C. Eritrea
B. Djibouti D. Somalia

271. Which of the following countries of the horn of Africa does not have an outlet to the sea?
A. Ethiopia C. Somalia
B. Eritrea D. Djibouti

272. Which one of the following lakes is not a crater lake?
A. Lake Hawassa C. Lake wonchi
B. Lake Tana D. Lake Zuquala

273. Of the following which one is termed as both element and control of weather and climate?
A. wind C. Latitude
B. Altitude D. Temperature

274. If Afro Alpine is to wurch then temperate is to _____.
A. woinadega C. Kolla
B. Dega D. Bereha

275. Which areas are confined to peripheral areas?
A. Woinadega C. Kolla
B. Wurch D. Dega

276. High soil erosion is common at areas of
A. Kolla zone C. Bereha zone
B. Dega zone D. low land zone

277. Which effect is created due to earth rotation around its axis?
A. variation of lengths of day and night
B. change of day and night
C. creation of seasons
D. all

278. Which of the following is not among the main uses of research?
   A. Getting new knowledge
   B. the ability to predict
   C. finding answers to problems
   D. using old skills to solve new problems

279. Which of the following is a secondary source of data?
   A. questionnaire
   B. interviews
   C. magazines and Heralds
   D. personal observation

280. In which part of Ethiopia can you find the oldest layers of the upper sand stone?
   A. North west
   B. South west
   C. north east
   D. south east

281. Africa gets closest to Asia at the
   A. Strait of Gibraltar
   B. Strait of bab-el mandab
   C. Cape bon
   D. Cape verde

282. Which of the following lakes has a marshy nature
   A. Fenalle
   B. lake Haik
   C. lake chewbahir
   D. lake chamo

283. To which temperature zone do the higher grounds of the Arsi bale massifs belong?
   A. Tropical
   B. Temperate
   C. Sub-tropical
   D. Alpine

284. Which part of Ethiopia is most suitable for large scale production of tea?
   A. Arsi–Bale
   B. Borena–Guji
   C. Awash valley
   D. Kefa-Gambela

285. Which of the following areas of Ethiopia is known for its rich potash deposit?
   A. Abay Gorge
   B. Rift valley lakes
   C. Chewbahir lake
   D. Afar Depression

286. Bushmen communities are to the Kalahari Desert as pygmies communities are to_____.
   A. Amazon basin
   B. Congo Basin
   C. Niger delta
   D. Sudan forest

287. _____ is used to describe the relief of a sea bed or bottom of a lake?
   A. Iso hypes
   B. Isobaths
   C. Iso marines
   D. Isoneph

288. Which of the following town of Ethiopia has the longest rainy season?
   A. Gondor
   B. Moyale
   C. Jimma
   D. Dessie

289. How many times does the overhead sun pass over Ethiopia?
   A. only once in a year
   B. once in a century
   C. twice in a year
   D. once in a decade

290. Which of the following statements is not correct about the main rift valley part?
   A. It is the most elevated part
   B. It is the most densely populated.
   C. It is the widest part.
   D. It is the most rain fed part

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291. Which of the following Ethiopian lakes is not located on an international boundary?
   A. Langano
   B. Haik
   C. Hashenge
   D. All

292. Which lake of Ethiopia is disappeared in the past few years?
   A. lake Tana
   B. lake Abe
   C. Lake Haromaya
   D. Lake Hashenge

293. Which of the following rivers of Ethiopia are used for generating hydroelectric power?
   A. Tekeze B. Fincha C. Gibe D. All

294. Thematic maps are different from topographic maps.Their difference lie in
A. areal coverage C. purpose
B. distance D. Scale

295. Which standard color on topographic map is correctly associated?
A. Blue→water body C. green→ vegetation cover
B. brown → relief D. All

296. The two most controls of weather and climate in Ethiopia are
A. ocean current and latitude C. altitude and air pressure
B. altitude and latitude D. altitude and wind

297. Which type of winds is different from the others?
A. monsoon wind C. Planetary wind
B. local wind D. Global wind

298. Almost all the energy reaching the earth from the sun is in the form of
A. Gamma rays C. Electromagnetic wave
B. Ultraviolet ray D. atomic particles

299. At the equator, the sun's rays always strike the earth
A. at low angle C. at nearly 12 hours
B. 18 hours each day D. at nearly 90^0 angle

300. The geographical criteria used to classify the whole world as tropical, temperature or Frigid Zone is
A. Temperature C. population
B. PPt D. latitude

301. A community and its physical environment together are called.
A. ecosystem B. habitat C. shelter D. home

302. Which one of the following does not belong to volcanic activity?
A. caldera C. water fall
B. hot spring D. crater

303. Which layer of the atmosphere is termed as the coldest layer?
A. thermosphere C. troposphere
B. mesosphere D. stratosphere

304. Which of the following is not an internal force?
A. earth quake C. volcanic eruption
B. erosion D. folding

305. Which one is a common feature in the upper course of a hypothetical river
A. flood plain C. ox-bow lake
B. meander D. interlocking

306. A zone that receives the most radiant energy from the sun is
A. snow cover C. clear sky
B. cloud cover D. vegetation cover

307. Identify the wrongly paired in the following alternatives.
A. Desert → xerophytes C. Savannah → coniferous
B. Tundra →eskimos D. Maquis→Mediterranean

308. Desert regions experiences cold weather during nights. This is because of
A. Snow cover at night C. Clear sky at night
B. Cloud cover at night D. High sun light at night

309. Which of the following is a component of biotic factor?
A. air C. soil
B. Animals D. sunlight

310. Which of the following phenomenon is not observed as the result of revolution of the earth around the sun?
A. change of day and night
B. variation of lengths of day and night
C. creation of different season
D. creation of kiremt, Bega, spring and autumn

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311. Which weather system of Ethiopia is associated with Asian landmass?
A. North east trade winds
B. Equatorial westerlies
C. Equatorial easterlies
D. Equatorial Guinea

312. What does ITCZ refers to?
A. high pressure zone
B. low pressure zone
C. high wind zone
D. low wind zone

313. Which rainy winds are responsible to bring rain to southeast Ethiopia during spring and autumn seasons?
A. Tropical monsoon
B. equatorial easterlies
C. equatorial westerlies
D. A and B

314. In March and September, the position of the sun and the ITCZ are both at the
A. Tropic of cancer
B. Tropic of Capricorn
C. equator
D. poles

315. Which of the following areas are known as winter rain fall region?
A. Red sea coast
B. Afar region
C. Djibouti
D. all are correct answers

316. What kinds of organisms can produce their own food?
A. carnivores
B. animals
C. Green plants
D. Herbivores

317. Which of the following is a best example of abiotic factor?
A. sunlight
B. water
C. soil
D. all are correct

318. Which population character is defined as collects in formation only from a part of the whole population.
A. Census
B. sample survey
C. vital registration
D. none

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319. Of the following which zone is known as sparsely populated?
A. tundra
B. Hot-dry lands
C. areas with poor soil
D. all

320. The largest proportion of the world's population lives in
A. Asia
B. Africa
C. USA
D. Europe

321. One of the following is the main feature of a census
A. universality
B. Periodicity
C. Government Sponsorship
D. all are correct

322. Which of the following economic activities are characterized by primary activities
A. Forestry
B. Fishing
C. mining
D. all are correct

323. Which of the following activity is synonymous with service sector?
A. secondary economic activities
B. tertiary economic activities
C. primarily economic activities
D. Agricultural activities.

324. One of the following is <u>not</u> a renewable natural resources.
A. Fossil fuel
B. forest
C. soil
D. water

325. What do people use in order to satisfy their needs?
A. natural conservation
B. Afforestation
C. natural resources
D. reforestation plants

326. Which of the following is grouped under non–renewable natural resources?
A. Animals
B. Gold
C. Air
D. soil

227. Of the following practices, which one is associated with the wise use of natural resources?

A. Degradation C. Destruction
B. misused D. Conservation

328. Which one of the following activities is extremely dangerous regarding the transmission of HIV/AIDS
A. Kissing C. unprotected sex
B. Re-use of blades D. Re-use of injections

329. Which one of the following is not an environmental problem?
A. Reforestation C. soil degradation
B. Deforestation D. wild life depletion

330. _____ is a large scale production of crops for sale.
A. Horticulture C. Hunting and gathering
B. Shifting cultivation D. plantation Agriculture

331. All world deserts are located on the western margins of each world continents except
A. Atacama desert C. Colorado desert
B. Sahara desert D. Arabia–thar

332. Which of the following is the major causes of death in the warm and moist part of Africa and Asia.
A. Tuberculosis C. malaria
B. Drought D. Cholera

333. Among the following minerals which one has naturally vegetation background?
A potash C. Gypsum
B. Coal D. Shale

334. Of the fowling statements which one is correct about the great east African Rift Valley?
A. It extends from Syria to Mozambique.
B. It is the second largest in the world.
C. It is formed as a result of folding.
D. All Ethiopia lakes are found in the rift -Valley.

335. Which atmospheric layer contains high ozone concentration?
A. Thermosphere
B. stratosphere
C. troposphere
D. mesosphere

336. All of the following are benefits of wild animals for human being except
A. aesthetic value
B. source of food
C. Agricultural input
D. educational use

337. Chemically formed sedimentary rock with the remains of salt solution is known as_____.
A. potash
B. gypsum
C. coal
D. shale

338. What is the main reason for deciduous forests to drop their leaves during dry seasons (autumn & winter)?
A. To protect soil from erosion.
B. To spread plant seeds
C. To provide food for herbivores.
D. To prevent excessive water loss.

339. Which one of the following statements explains "vital Registration" as a source of population data?
A. It is a total enumeration of population.
B. recording data such as birth, death, marriage & divorce events.
C. counting only population of the zone.
D. It is a system of survey study

340. Presently, Ethiopia practices a free market economy system. That being the case, what is the major role of the central government?
A. Deciding what to produce.
B. deciding how to sell goods.
C. stabilizing inflation.
D. controlling whatever market prices.

341. What is the main reason for the population of most poor countries to be young age group largely?
A. late marriage
B. High fertility
C. low mortality
D. Emigration rate

342. Bekele and Hailu were Ethiopian farmers who were talking about the cool and hot temperature of one day. What was the matter that the two farmers discussed?
   A. weather
   B. Climate
   C. average of one year
   D. average of one month

343. What is the major livelihood of the people who live on the driest peripheral sections of Ethiopia?
   A. Agro-industry
   B. mixed farming
   C. Animal rearing
   D. Crop production

344. The major environmental problem caused by large application of fossil fuels is?
   A. Air pollution
   B. water pollution
   C. industrial damage
   D. Biomass destruction.

345. The atmosphere is more <u>transparent</u> to short electromagnetic wave radiation (incoming sun radiation) but <u>opaque</u> to long wave radiation (outgoing ground radiation). This behavior of the atmosphere is known as
   A. air pollution
   B. Global warming
   C. carbon emission
   D. Greenhouse effect

346. A region with wet winter and dry summer is called.
   A. Temperate region
   B. tundra region
   C. Mediterranean region
   D. equatorial region.

347. Which water body influences Ethiopia's rain fall distribution during summer significantly?
   A. Red Sea
   B. Atlantic ocean
   C. Indian ocean
   D. Mediterranean sea

348. Which major physiographic region divides the highlands of Ethiopia in to northwest and southeast land divisions?
   A. Dallol depression
   B. Abay gorge
   C.Yeju wadla Delanta
   D. Rift valley

349. What are the two most critical environmental problems in Ethiopia?
A. Desertification and air pollution.
B. Soil erosions and climate change
C. Earth quake and water pollution
D. Land slide and volcanic eruption.

350. Which one of the following is an indicator of global climate change?
A. Regular occurrence of drought.
B. rise of temperature in different areas.
C. occurrence of high pressure and wind.
D. low temperature in different areas.

351. As the Nile river is to Africa, then amazon river is to:
A. North America, C. Latin America
B. South America D. B and C

352. Which one of the following pressure belts characterizes low latitudes?
A. Doldrum C. subtropical
B. Sub polar D. horse latitude

353. Which part of Africa experiences regular drought problems?
A. Maghreb zone C. Kalahari Desert
B. Sahel region D. Savanna grass land.

254. Of the following factors which one is a natural cause of world climate change?
A. cloud cover C. deforestation
B. nuclear war D. Burning of fossil fuel

355. The totality of space which includes all heavenly bodies is knows as
A. Planet C. galaxy
B. universe D. milk way

356. What is chloro floro carbon (CFC) gass? CFC gass is a
A. gas that depletes Ozone layer
B. greenhouse gas type produced from refrigerator
C. gas used to develop nuclear energy
D. gas that causes acid rain

357. The region characterized by high temperature, abundant rain fall, humidity high but low annual range of temperature (3^0c) is
    A. savanna region
    B. tropical region
    C. monsoon region
    D. equatorial rain forest region

358. Which of the following factors may not be serious issues of environmental problem in Ethiopia?
    A. Land degradation
    B. deforestation
    C. industrial pollution in urban centers
    D. waste materials in cities

359. Which of the flowing ecosystem component consists air, temperature, water and soil elements?
    A. Abiotic
    B. biotic
    C. Producers
    D. decomposers

360. What are the benefits of herbicides in agricultural practice?
    A. chemicals to kill insects
    B. chemicals to control weeds
    C. animal manures
    D. chemicals for soil fertility

361. Which one of the following mechanisms will be adapted by desert plants to resist extreme drought & harsh climate
    A. sending their roots deep in to the ground.
    B. multiplying their leaves.
    C. developing broad leaves
    D. developing thin stems

362. The rise in the sea level of oceans, sea is directly related to
    A. Drought
    B. Acid rain
    C. Loss in biodiversity
    D. ice melting

363. Cement industry is raw material oriented while iron melting industry is
    A. water oriented
    B. labour oriented
    C. power oriented
    D. market oriented

364. Which of the following wild animal could be said the most endangered species in Ethiopia?
   A. Nyala
   B. Zebra
   C. Semen fox (Juckal)
   D. Gelada Baboon

365. Which of the following statement is not true about ecosystems?
   A. organisms transfer matter in to energy
   B. ecosystems varies in size and range
   C. ecosystem includes all organisms and environment.
   D. the ecosystem deals only with living things.

366. Which one of the following demographic factors refers directly to developing countries?
   A. Low population growth rate
   B. low life expectancy
   C. low death rate
   D. low birth rate

367. Which of the following is not a sub–region of the tropical zone
   A. equatorial rainforest
   B. the tundra region
   C. the savanna grassland
   D. the hot deserts

368. The population policy of Ethiopia is a good example of
   A. activist policy
   B. Anti-natalist policy
   C. pro-natalist policy
   D. Anti-contraceptive policy

369. If grass is to herbivores, then meat is to
   A. Omnivores
   B. Carnivores
   C. Decomposers
   D. Producers

370. Which of the following rivers is navigable in Ethiopia?
   A. Baro
   B. Genale
   C. Abay
   D. Wabishebele

371. Which of the following areas is the wettest low land in Ethiopia
   A. the awash valley
   B. the by gorge
   C. the baro low land
   D. the Tekeze low land

372. Most of the internal migration in Ethiopia is from
A. urban to urban areas
B. rural to rural areas
C. urban to rural areas
D. rural to urban areas

373. In the process of food chain, the one which is not a consumer is?
A. plants B. man C. lion D. bacteria

374. Which of the following activity is a non-horizontal movement?
A. Tensional
B. Faulting
C. Epeirogenic
D. compressional

375. Planar projection is best suited to
A. low latitude
B. mid latitude
C. high latitude
D. tropical region

376. Which type of projection is more appropriate for projecting the map of Ethiopia?
A. conical
B. cylindrical
C. Azimuthal
D. planar

377. The most prevalent type of precipitation in the equatorial rain forest region is
A. convectional
B. orographic
C. cyclonic
D. relief

378. Plantation Agriculture is an economic activity which is predominantly found in the
A. Tropics
B. Frigid zone
C. Temperate region
D. south–east Asia

379. The Asian largest producer of natural rubber is
A. Indonesia
B. Malaysia
C. Burma
D. Thailand

380. The main characteristics of shifting cultivation around the equatorial rain forest is _____ .
A. Rotation of crops
B. Rotation of forests
C. rotation of fields
D. rotation of seeds

381. How many distinct seasons are there in the temperate zone?
A. two C. three
B. four D. one

382. Plantation Agriculture is characterized by
A. Specialization of corps
B. Diversification of crops
C. production for consumption
D. production fore laborers

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383. In Africa which of the following wild animal is known as a member of the big five game"
A. Lion C. Rhinoceros
B. elephant D. All

384. Which type of graph is used to show the sizes of parts of a whole total?
A. bar graph C pie chart
B. histo graph D. line graph

385. Which one of the following graphs is mostly used to show different Items on the same one graph?
A. bargraph C. compound graph
B. Piechart D. scattered graph

386. Of the following climate change causes, which one is <u>not</u> a natural factor?
A. greenhouse gases C. ocean currents
B. volcanoes D. flooding

387. Of the following African countries, which one is <u>not</u> a member of the Nile basin initiatives?
A. Tanzania C. Egypt
B. Rwanda D. Niger

388. Of the following institutions, which one is <u>not</u> an economic organization?
A. WB B. AU C. IMF D. WTO

389. Let's say country "B" has a total population of 10,000,000 and if its total area is about 500,000 km^2, then the crud density of the country will be?
   A. 10/km^2 C. 100/km^2
   B. 20/km^2 D. 50/km^2

390. If the total number of deaths in a hypothetical region is 120,000 and if the total productive women were about 6,000,000, then calculate the possible CDR of the region?
   A. 5/1000 C. 100/1000
   B. 50/1000 D. 20/1000

391. Suppose the no of emigrants and immigrants of country "A" are found to be 40,000 and 250,000 respectively. If the original total population of the country is 105,000,000 then what will be the NMR of it?
   A. 10/1000 C. 10/1000
   B. 2/1000 D. 50/1000

392. Let's say country "R" has 15,431,000 children, 20,000,000 working age and 2,145,000 old age groups. Then what will be the ADR of the country?
   A. 50% C. 87%
   B. 100% D. 67%

393. In population demography, sex ration refers to
   A. the number of females C. both males and females
   B. the number of males D. none

394. According to the UN world population data, 2009, birth rates of African population are high. This is because
   A. people have less access to contraceptives
   B. sex preferences
   C. many religious encourage large families
   D. all are correct

395. If we defined a population distribution by the formula given as crude density = $\frac{\text{Total population}}{\text{Total area}}$, then the result is sometimes known as

A. Rural density
B. Arithmetic density
C. urban density
D. dependency ratio

396. Which of the following statement is false about the African population?
A. low doubling time
B. low life expectancy
C. high age dependency
D. high per capital income

397. In a global level, which world city is said to be dominant?
A. Tokyo
B. London
C. New york
D. all are correct

398. In most cases, centripetal drainage patterns are the characteristics of
A. high land areas
B. Arid areas
C. wet areas
D. forest areas

399. A location of places can be expressed in terms of latitudes and longitudes. This is a best example of
A. Astronomical location
B. Absolute location
C. Relative location
D. A and B

400. In terms of boundary line length, which country shares the short length with Ethiopia
A. Sudan
B. Somalia
C. Djibouti
D. Eritrea

401. The disadvantage of Ethiopia's largeness in size is
A. requires huge budget
B. needs large army of defense
C. needs efficient government structure
D. all are correct

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402. Let's say one county has 9000 km boundary length and its circumference ($2\pi r$) is 6000 km. If so, what will be the Index of compactness of the country?
A. 15 B. 1.5 C. 2.5 D. 25

403. Of the following statements, which one is not Alfred Wegener's basic evidence of his hypothesis of continental drift?
   A. coastal shapes
   B. rock similarity
   C. similarity of fossils
   D. Size of a continent

404. Which numerical value is used to demarcating contour lines between low lands and high lands of Ethiopia?
   A. 100m
   B. 1000m
   C.10,000m
   D. 10m

405. Most land forms of *shewa plateaus* are characterized by
   A. Flat shaped
   B. Deep shaped
   C. Dune shaped
   D. peak shaped

406. Which of the following land forms do not belong to north central massifs?
   A. Ras Dashen
   B. Guna
   C. Abune yosef
   D. Abuye Meda

407. Most People settle concentrated at Dega zone. They choose this Dega site because of
   A. Secure defense
   B. reliable rainfall
   C. absence of disease
   D. all

408. The weather systems in Ethiopia prevalent in September, October, March and April are:
   A. Northeast trade winds
   B. Guinea monsoons
   C. Tropical monsoons
   D. Equatorial westerlies

409. Winds that bring little rain fall and moisture from Asian land mass during winter season for Ethiopia are
   A. north East trade winds
   B. guinea monsoon
   C. Tropical monsoons
   D. equatorial westerlies

410. Of the following area of Ethiopia, which one is known as winter rain fall region?
   A. Afar regions
   B. Keffa area
   C. Sidama highlands
   D. Ras Dashe mountains

411. Thomas Malthus was a British Demographer who extremely opposed
A. fast food growth C. fast economic growth
B. Fast population growth D. fast agricultural production

412. A German bio geographer who proved the relationship between people, animals and plants with their environment at Andes mountain(south America) was known as
A. Aristotle C. Von Humboldt
B. Ptolemy D. Eratosthenes

413. What Philosophy is believed the two way relationship between human and the environment?
A. Environmental determinisms
B. Environmental possibilism
C. Environmental degradation
D. environmental erosion

414. Quantitative revolution is the extensive use of GIS since the
A. 1960s B. 1970 C. 1980s D. 1990s

Table 1: Temperature and rainfall data of station "A"

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp(^{0}c	27	28	26	26	27	25	28	27	28	26	26	28
PPT(MM)	256	288	288	193	170	193	193	200	173	206	251	269

415. Based on Table1, calculate the annual mean temperature of station "A"
A. 29.8^{0}C B. 27.8^{0}C C. 25.8^{0}C D. 26.8^{0}C

416. Based on Table1, find the annual average temperature of the station "A"
A. 25.5^{0}C B. 22.5^{0}C C. 21.5^{0}C D. 26.5^{0}C

417. Based on Table1, Determine the median value of the temperature station "A"
A. 27^{0}C B. 26^{0}C C. 25^{0}C D. 24^{0}C

418. Based on Table1, Find the total amount of annual rain fall of the station "A"
A. 240 mm C. 2440 mm
B. 2680 mm D. 2000 mm

419. Based on Table1, Determine the four dry months of the station
A. September, October , Novembers, January
B. may, June, July , September,
C. January, February, March, October
D. March, October, December , January

420. A drawing instrument used to enlarge or reduce maps is called
A. Contour C. Theodolite
B. Pantograph D. Ruler

421. Which of the following statements are not correct about contour lines
A. contour liens are drawn at fixed vertical interval
B. all points on one contour liens have the same value
C. closely drawn contour lines indicate steep slopes
D. contour lines with "V" shaped indicated mountains

422. A drainage pattern mostly developed in Homogenous rocks is
A. Trellis pattern C. dendritic pattern
B. Radial pattern D. centripetal pattern

423._____ is a Triangular deposit of soil at a mouth of a river
A. Delta C. mouth
B. meander D. Levee

443. Dispersed settlement is a character of
A. Pastoralists C. High land settlements
B. Sedentary D. All are correct

425. Which one of the following is not a "Push" factor of migration?
A. Poverty C. high living standard
B. land scarcity D. Conducive climate

426. A population pyramid is a drawing graph that shows population distribution by
A. Age group and death rate C. sex and age group
B. Sex and birth rate D. growth rate and sex

427. Of the following animals which one is known as desert resistant animal?
A. Lion B. Leopard C. camel D. giraffe

428. In the Ethiopian history, the three years of population census are
A. 1984,1994 and 2000 B. 1984,1994, and 2007
C. 1984,1884 and 1994 D. 1984, 1784 and 2007

429. Which of the following statement is <u>not</u> true regarding the advantage of Ethiopia largeness in size?
A. have diverse ethnic groups
B. have large mineral deposits
C. needs small amount of budget
D. possess large arable lands

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430. If era is to period, then period is again to _____.
A. Years C. Epoch
B. Century D. Time scale

431. Which of the following shows the exact age of the earth?
A. Era C. continental drift Valley
B. period D. Geological time scale

432. Which of the following is the major cause for sinking and rising of land masses in the horn of Africa?
A. Epeirogenesis C. denudation
B. Orogenesis D. pluvial rain

433. Since 10,000 years ago, the dominant animal during the recent Cenozoic era was
A. Amphibians C. Reptiles
D. Homo sapiens D. invertebrates

434. Which of the following land features is <u>not</u> part of the North western high lands of Ethiopia?
A. Mt Tsibet C. Mt Ambalage
B. Mt Rasdashen D. Mt Assimba

435. Of the following land feature of North central massifs of Ethiopia, which one is the highest mountain?
   A. Guna
   B. Rasdashen
   C. killomangaro
   D. AbuneYosef

436. When altitude increase, temperature decrease. So that every 1,000 m upward movement temperature decreased by
   A. 10^0C B. 5^0C C. 6.4^0C D. 2.4^0C

437. Which ocean current bring a warm effect to southeast Africa
   A. Canary
   B. Benguela
   C. Asian wind
   D. Mozambique

438. Depending on the effect of mountain barriers on rainfall distribution, which one of the following receives high rain fall.
   A. wind side of mountains
   B. Leeward of mountains
   C. rain shadow part
   D. B and C

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439. It is fact that Ethiopia has four clear seasons. The spring season comprises which three months?
   A. September, October and November
   B. March, April and May
   C. January, February and March
   D. June, July and August

440. Based on the major vegetation types of Africa, Park Savanna refers to
   A. wetter Savanna
   B. True Savanna
   C. Dry Savanna
   D. high Savanna

441. Which one of the following settlements usually have **road oriented** pattern?
   A. Linear settlement
   B. Nucleated settlement
   C. Compact settlement
   D. Dispersed settlement

442. Which of the following river course features is different?
   A. V-shape
   C. Interlocking spurs

B. Meander D. Falls

443. Urban settlements are usually characterized by
A. Agricultural activities C. non-agricultural activities
B. No planning D. Dispersed houses

444. Of the following means of transport (vehicles) which one has the **lowest** slope climbing capacity?
A. 2 wheel bicycle C. 3 wheel cars
B. Train D. 4 wheel cars

445. Africa has relatively_____ shape
A. Compact C. perfect circle like a bole
B. Triangle D. Rectangle

446. According to Alfred Wegener continental drift theory (1915), there was one old-super continent known as_____
A. Laurasia C. Gondwanaland
B. Pangea D. None

447. _____is the day to day changes of air condition
A. Climate C. Weather
B. Temperature D. Rainfall

448. 71% of African relief structure is made up of _____
A. Plain C. Mountains
B. Steep D. Plateaus

449. Of the following African regions, which region is the least urbanized?
A. Central Africa C. Northern Africa
B. Eastern Africa D. Southern Africa

450. Of the following African regions, which region is the most diversified in biodiversity?
A. Central Africa C. Northern Africa
B. Eastern Africa D. Southern Africa

451. Of the following African rivers which one is ***not*** part of the Atlantic Ocean drainage system?
   A. Congo river C. Niger River
   B. Senegal River D. Wabishebele River

452. Which present continent is considered as part of Gondwanaland?
   A. Europe C. Africa
   B. Asia D. North America

453. Which one of the following ocean current makes southeastern Africa *warm* and *wet*?
   A. Canary cold current C. Mozambique warm current
   B. Benguela cold current D. A and B

454. Among the following major soil types of Africa, which one is the most productive soil?
   A. Ferrosols C. Aerosols
   B. Nitosols D. Lixisols

455. Which climatic zone of Africa is characterized my mixed of ***sparse trees*** and ***long grasses***
   A. Tropical savannah C. Equatorial rain forest
   B. Tropical desert D. All

456. Why do desert plants develop spongy stem?
   A. To reflect sun radiation C. To defend enemy
   B. To store water for risky time D. To protect water loss

457. Why do desert plants develop oily nature on their body parts?
   A. To reflect sun radiation C. To defend enemy
   B. To store water for risky time D. To protect water loss

458. Why do desert plants develop thorny?
   A. To reflect sun radiation C. To defend enemy
   B. To store water for risky time D. To protect water loss

459. Which one of the following African rivers is **not** part of Indian Ocean drainage system?

A. Zambezi C. Limpopo
B. wabishebele & Ghenale D. Orange

460. Based on their location, which African natural lake is described as a high land lake?
A. Victoria C. Turkana
B. African rift-valley lakes D. Tanganyika

461. Which soil and water conservation measure is practiced by planting trees on bare areas?
A. Afforestation C. Re-afforestation
B. Agroforestry D. Social forestry

462. Which agronomic soil & water conservation method is practiced by leaving farm land idle?
A. mixed cropping C. Mulching
B. Fallowing D. Crop rotation

463. Which one of the following plant type is commonly found in Mediterranean vegetation region?
A. Cork Oak C. Wild Olive
B. Maquis D. All

464. Which one of the following feature characterizes vegetation of equatorial rain forest climate?
A. Ever green C. Broad leafs
B. Hard wood D. All

465. Which factors positively affect natural vegetation of Africa?
A. Deforestation C. Overgrazing
B. Burning D. Exclosure project

466. If region **"A"** has a total population of 97,000,000 and a total area of 1,000,000 km^2, then what will be the crude population density of region "A"?
A. 79 persons/km^2 C. 97 persons/km^2
B. 10 persons/km^2 D. 200 persons/km^2

467. Let's say the crude birth rate per 1000 population of region **"Y"** is 30 and the region's crude death rate per 1000 population is10. Then what is the RNI of that region?
   A. 4% C. 2%
   B. 6% D. 3%

468. Which African region is recognized as having the highest percentage of urban population?
   A. Northern Africa C. southern Africa
   B. Eastern Africa D. Western Africa

469. Which regions of Africa is dominated by coffee, cacao, palm oil and rubber
   A. Northern Africa C. southern Africa
   B. Eastern Africa D. Western Africa

470. The formation of coal is associated with which era?
   A. Cenozoic era C. Mesozoic era
   B. Precambrian era D. Paleozoic era

471. The present land feature of Africa is formed during _____era
   A. Cenozoic C. Mesozoic
   B. Precambrian D. Paleozoic

472. Mesozoic era is known for the formation of _____
   A. Metamorphic rock C. Igneous rock
   B. Sedimentary rock D. A and B

473. In which era were Africa's volcanic and young fold mountains formed?
   A. Cenozoic era C. Mesozoic era
   B. Paleozoic era D. Precambrian era

474. In desert areas, temperature is recorded below 0^0c during night. This is due to
   A. Large cloud cover during night
   B. Absence of cloud covers during night (clear sky)
   C. Sun radiation is inclined
   D. High rainfall during night

475. Which climatic region of Africa is experienced wet in winter and dry in summer?
   A. Equatorial
   B. Desert
   C. Savanah
   D. Mediterranean

476. Which of the following soil conservation measures is different?
   A. crop rotation
   B. Fallowing
   C. Terracing
   D. Strip-cultivation

477. Which of the following soil conservation methods is constructed using soil uphill?
   A. stone bund
   B. soil bund
   C. over cultivation
   D. wind break

478. Which agronomic soil and water conservation measure is practiced by covering green grasses or green leaves over farm land?
   A. Fallowing
   B. Green manuring
   C. strip cultivation
   D. Reafforstation

479. Which of the following soil conservation measures is different?
   A. windbreak
   B. afforestation
   C. re-afforestation
   D. mixed cropping

480. Which of the following soil conservation measures is different?
   A. strip cultivation
   B. mulching
   C. crop rotation
   D. social forestry

481. Which narrow strait connect Africa (Morocco) with Europe (Spain) with a length of 15 km?
   A. Suez canal
   B. Strait Gibraltar
   C. Babel Mandab
   D. none

482. Which artificial water way connects Africa (at Egypt) with Asia (at Yemen) with a length of 1859 km?
   A. Suez-canal
   B. Strait Gibraltar
   C. Babel Mandab
   D. All

483. Which natural water way separates Asia from Africa through the red-sea and the Gulf of Aden with a length of 50 km?
   A. Suez-canal
   B. Strait Gibraltar
   C. Babel Mandab
   D. A and B

484. Which river of Africa is navigable throughout the year?
   A. Nile River
   B. Congo River
   C. Orange River
   D. Senegal River

485. Which of the following features do not reflect the nature of Tropical rain forest?
   A. Broad leaf
   B. has 3 layers
   C. much undergrowth
   D. little undergrowth

486. Which Tropical savannah zone is made up of short grasses with widely scattered thorny trees?
   A. The wettest park savannah zone
   B. The driest scrub savannah zone
   C. The high true savannah zone
   D. None

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487. Which Tropical savannah zone is made up of few trees and more grasses?
   A. The wettest park savannah zone
   B. The driest scrub savannah zone
   C. The high true savannah zone
   D. None

488. Which Tropical savannah zone is found close to the rain forest region?
   A. The wettest park savannah zone
   B. The driest scrub savannah zone
   C. The high true savannah zone
   D. None

489. Which Tropical savannah zone is found close to the Sahel region?
   A. The wettest park savannah zone
   B. The driest scrub savannah zone
   C. The high true savannah zone

490. Which river and lake are utilized for irrigation in Sudan?
A. Nile delta and lower Nile C. Gezira and Kenan
B. Orange river D. Niger and Volta rivers

491. Dinosaurs disappeared from the earth at the end of _____
A. Cenozoic era C. Mesozoic era
B. Paleozoic era D. Precambrian era

492. Pangea (one old continent) was separated in to two parts during the beginning of _____
A. Cenozoic era C. Mesozoic era
B. Paleozoic era D. Precambrian era

493. Soils of north western high lands Tigray are very poor and thin. This is because of
A. Soil erosion and long period of human inhabitants
B. The soil of the region is sedimentary rock origin
C. Very extensive soil and water conservation practices
D. Black soil nature of the region

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494. Arsi and Bale highlands are parts of
A. The rift valley system of Ethiopia
B. The south eastern highlands of Ethiopia
C. The plateaus of Shewa
D. The north central massifs

495. The lowland areas of south eastern Ethiopia includes:
A. Wabishebele plains C. Ogaden plains
B. Ghenale plains D. All

496. Which part of the Ethiopian rift-valley is recognized as the widest part?
A. The central part C. The Chewbahir part
B. Afar Triangle part C. All parts are the same

497. Chewbahir rift-valley part of Ethiopia is dominated by_____
A. Marshy and swampy C. salty minerals
B. Woody trees D. Desert shrubs

498. Which part of the Ethiopian rift-valley has a potential of geothermal energy?
   A. The central part C. The Chewbahir part
   B. Afar Triangle part D. None

499. Which part of the Ethiopian rift-valley has an extensive salt and potash deposits?
   A. The central part C. The Chewbahir part
   B. Afar Triangle part D. None

500. If river *Ghenale* becomes ***Juba*** in Somalia, then river *Tekeze* becomes _____ in Sudan
   A. Blue Nile C. Athbara
   B. Sobat D. Abay

501. When Pangaea is broken in to two parts, which part was moved to the north direction?
   A. Gondwanaland C. A & B
   B. Laurasia D. None

502. Pangea started to break in to two supper parts during the
   A. beginning of Precambrian era C. beginning of Mesozoic era
   B. beginning of Paleozoic era D. beginning of Cenozoic era

503. Which one of the following present continents are believed to be parts of *Laurasia land*?
   A. Africa, Australia, South America C. Asia, Europe, Africa
   B. North America, Europe, Asia D. Antarctica, Asia, Australia

504. According to the plate tectonics theory (1960s), plates move in to different directions and meet each other at their
   A. Plate boundary C. Upper mantle
   B. Inner core D. Lower mantle

505. Of the following which geological evidence favoring continental drift theory?
   A. Coastline structures C. Rock similarity

B. Fossil evidences D. All

506. If dense oceanic crust and light continental crust move toward each other, then what type of land feature is formed at their plate boundary?
A. Islands C. Rift valley
B. Mountain ranges D. Fold Mountain

507. Of the following weathering action which one is a best example of chemical weathering process?
A. Rain action C. Thermal expansion & contraction
B. Animals action D. Frost action

508. If one oceanic crust converges with another oceanic crust, then what type of land feature is formed at their plate boundary?
A. Islands C. Mountain ranges
B. Fold Mountain D. Gorges

509. Sof Omar cave in Weyb-river located in Bale is formed as a result of
A. Plants and animals action C. Rain action
B. Frost action D. Thermal expansion & contraction

510. Which one of the following agents is <u>not</u> considered as a major cause of soil erosion?
A. Running water C. Planting trees
B. Wind D. Glaciers melting

511. Which one of the following force is <u>not</u> come out from the inside of the earth?
A. Faulting C. Sea waves
B. Volcanic eruption D. Folding

512. Which of the following landform is associated with running water action?
A. Barkhan C. Gulley erosion
B. Sand dunes D. Loess deposits

513. When rock layers are pushed from two directions, the rock layers bend up and down to form Fold Mountains. Those rock layer which bend

down is known as_____

A. Syncline C. Volcanism
B. Anticline D. Depression

514. Of the following worldwide mountains which one is <u>not</u> belonging to young fold mountains?

A. Andes Mountain C. Himalayas Mountains
B. Rockies mountains D. Appalachian mountains

515. Which one of the following is an evidence of continental drift theory?

A. Rock types similarity C. Fossil evidences
B. Coast line similarity D. All

516. Which one of the following landforms is <u>not</u> associated with upper river course?

A. Plain C. V-shaped valley
B. Interlocking spur D. Falls & Rapids

517. Which of the following was proposed by A Germen Geologist known as Alfred Wegener in the1912s?

A. Plate tectonics C. Ocean floor spreading
B. Continental drift D. River courses model

518. one of the following is the sudden shocking of the ground that occurs when masses of rock changes its position below the earth's surface

A. Volcano C. Magma
B. Faulting D. Earthquake

519. Which of the following formation is/are formed as a result of endogenic (internal) forces?

A. Earthquake C. Folding
B. Volcanos D. All

520. When two plates move towards each other and meet together at their boundary, then the process is known as

A. Divergent C. Transform
B. Convergent D. None

521. Of the following processes which one might be the major causes for the formation of rift valley?
   A. Transform of plates
   B. Convergent of plates
   C. Divergent of plates
   D. All

522. When an average of climate and atmospheric pattern covers worldwide over many years, it is called
   A. Regional climate
   B. Global climate
   C. Local climate
   D. None

523. of the following analysis which one is true about suns pot?
   A. It is a dark region on the sun's surface
   B. It is a magnetic storm on the sun's region.
   C. During the period of sun's spot maximum the sun emit more energy.
   D. All are correct.

524. Which of the following activities are <u>not</u> performed by human activities?
   A. Deforestation
   B. Earthquake
   C. Reforestation
   D. Afforestation

525. Among the following strategies one is best measure taken <u>after</u> climate change effects have occurred
   A. Mitigation
   B. Reactive adaptation.
   C. Anticipatory adaptation
   D. None

526. Of the following atmospheric compositions which one is <u>not</u> component of the Greenhouse gasses?
   A. Oxygen
   B. Nitrous oxide
   C. Carbon dioxide
   D. Methane

527. According to the 3rd assessment of IPCC report (2001), which decade had been the warmest of the world
   A. 1950s. B. 1990s C. 1970s. D. 1920s.

528. When was the first world climate conference held?
   A. in 1991
   B. 1970
   C. in 1979
   D. 2001

529. What is the main indicator of global warming?
   A. Melting glaciers
   B. Air temperature rising
   C. Loss of wild life
   D. All.

530. Since the late 19th century by how many percent does global temperature rise?
   A. 3^0C B.10^0C C.1^0C. D. 5^0C

531. Which one of the following issues considered as pillars of sustainable development?
   A. Economic
   B. Environment
   C. Social
   D. All

532. The primary cause of climate change over the last few decades is
   A. Natural causes
   B. Anthropogenic causes.
   C. Volcanic eruption.
   D. Earth quake

533. Some of the most commonly identified adaptation strategies in Ethiopia include
   A. Soil conservation and water harvesting
   B. Stone terracing and planting trees
   C. Crop diversification and irrigation
   D. All

534. Of the following weathering action which one is common to both physical and chemical weathering process?
   A. Rain action
   B. Plants & animals action
   C. Thermal expansion & contraction
   D. Frost action

535. Due to expansion & contraction weathering process on rocks, the rock layer removes off and falls to the ground. This upper rock layer removal process is known as_____
   A. Soil erosion
   B. Gully erosion
   C. Rill erosion
   D. Exfoliation

536. Which one of the following agents is <u>not</u> a cause of soil erosion?
   A. Running water
   C. Soil conservation

B. Wind D. Glaciers melting

537. A strategy aimed to reduce emissions of greenhouse gases by enhancing sink opportunity is termed as
A. Mitigation strategy C. reactive
B. adaptation strategy D. anticipatory

538. Carbon dioxide, the major component of greenhouse gasses, is produced from_____
A. Synthetic fertilizer C. Decaying organic matters
B. Burning of fossil fuels D. Industrial refrigerators

539. Which one of the following activities do not recognize as a pillars of Ethiopia's plan to follow a green economy growth?
A. Expanding electricity generation C. Re-establishing forests
B. Improving crop & livestock production D. cutting down of trees

540. Of the following renewable resource groups which one is not a component of abiotic resources?
A. land C. Water
B. Solar energy D. Vegetation

541. An instrument which detects and measures the motion of the earth's crust in an earthquake is
A. Seismography C. Seismology
B Geography D. Seismic waves

542. Bekele and Hailu were Ethiopian farmers who were talking about air condition of the last 35 years. What was the matter that the two farmers discussed?
A. Average of one month C. average of one year
B. Climate D. weather

543. Which belt of the earth quake from which 80% of the energy released?
A. Mediterranean sea C. Connecting belt
B. Pacific ring fire belt D. Less active belt

544. The plate movement is mainly parallel to the boundary and the crust neither created nor destroyed is:
   A. Transform fault boundaries
   B. Convergent plate boundaries
   C. Divergent plate boundaries
   D. All

545. Which one of the following is not a major cause for physical weathering?
   A. Thermal expansion & contraction
   B. Frost action
   C. Plants & animal action
   D. Rain action

546. Which one is not associated with wind action erosion?
   A. Lagoon
   B. Barchans
   C. Sand-dune
   D. Loss deposit

547. Which land form is a common feature in the upper course of a river?
   A. Flood plain
   B. Meander
   C. Ox-bow-lake
   D. V- shaped valley

548. Of the following greenhouse gasses which one strongly absorbs infrared radiation?
   A. Co_2
   B. N_2O
   C. CH_4
   D. So_2

549. One cycle of "sunspot" is expected to be
   A. 11 years
   B. 22 Years
   C. 33 Years
   D. 44 Years

550. The NBI (Nile basin initiative) countries agreement reached
   A. To give many chance for Egypt and Sudan utilization of Nile river
   B. Unequal share for utilization of Nile River
   C. Equitable share for utilization of the Nile river water among the upper and lower course countries
   D. All of them

551. Which one of the following is not an indicator of poor governance over natural resource?
   A. Public participation and transparency
   B. Discriminatory policies
   C. unequal distribution of benefit
   D. Laws that marginalize specific groups

552. The environmental dimension of sustainable development focus on
   A. Governance related provinces
   B. Avoidance of extreme social imbalance
   C. Maintaining a stable resource base
   D. Maintaining adequate provision of social services

553. The type of adaptation that takes place before the initial impact of climate change has occurred is
   A. Anticipatory
   B. Reactive
   C. planed
   D. Autonomous

554. Which one is not correct about renewable resources?
   A. They are flow resources
   B. They can be replenished
   C. They are fixed resources
   D. They are replacing in character

555. Which one of the following essential dimension sustainable maintains manageable development level of government and external debt to avoid sectional imbalance?
   A. Economic dimension
   B. Environmental dimension
   C. Social dimension
   D. all

556. A conflict rises due to competition over increasingly scarce renewable resource and poor natural resource management is
   A. Demand –induced scarcity
   B. Supply –induces scarcity
   C. Structural-scarcity Structural-scarcity
   D. Lack of decision making and transpires

557. Which one the following is grouped under renewable natural resource
   A. Coal
   B. petroleum
   C. Water
   D. Natural gas

558. Which country does not belong to upper stream of the Nile basin?
   A. Sudan
   B. Ethiopia
   C. Uganda
   D. Rwanda

559. Teer is a system used to resolve conflict indigenously to which people of Ethiopia?
A. Afar
B. Somalia
C. Benishangul Gumuz
D. Oromo

560. Which one of the following is not trans-boundary resource?
A. Water
B. Fish
C. Wild life
D. Vegetation

561. Which one of the following is the most popular population control method in the world?
A. Contraceptives
B. Child tax
C. One child policy
D. None

562. A model which deals with addressing environmental stewardship problems from human activities and natural process is
A. Clinical model
B. Environmental stewardship
C. public health model
D. None

563. A model which focuses on control of disease causing agents is
A. Clinical model
B. Environmental stewardship
C. public health model
D. None

564. A model focuses on treating disease which has already occurred in population is
A. Clinical model
B. Environmental stewardship
C. public health model
D. None

565. Which poverty division measures when the households receive 50% less than the average household income?
A. Absolute poverty
B. Social security
C. food security
D. Relative poverty

566. According to the World Bank report (2022), the average per capita income of Ethiopia per a person per day is
A. $ 6.5
B. $ 10.5
C. $ 1.028
D. $ 0.028

567. Which of the following statements is correct about Globalization? Globalization:
   A. increased free trade
   B. Ties the world together
   C. Eradicates cultural barriers
   D. All

568. Which one of the following statements explains about the disadvantage of Globalization? Globalization
   A. Decreases environmental integrity
   B. Abuse cheap human labor
   C. Limits cultural expressions
   D. All

569. Which climate zone is located between the Torrid and Frigid zones?
   A. Arctic zone
   B. Polar zone
   C. Temperate zone
   D. Antarctica zone

570. Of the following African countries which country does not share the Nile River?
   A. South Africa B. Tanzania C. Sudan D. Uganda

571. The destination of Senegal River and Niger River is
   A. Indian ocean
   B. Atlantic ocean
   C. Mediterranean sea
   D. Pacific ocean

572. Of the following African rivers which one is the longest river in the world?
   A. Nile River
   B. Orang River
   C. Ghenale River
   D. Niger River

573. The only world continent found within the four hemispheres is
   A. Europe
   B. Africa
   C. Asia
   D. Australia

574. Planting trees in originally bare areas is known as
   A. Afforestation
   B. Reforestation
   C. Agroforestry
   D. Wind breaks

575. Of the following factors which one is the adverse impact of soil erosion?
   A. Decline biodiversity
   C. Leaching of soil minerals

B. Land degradation D. All

576. Which rain forest region is the largest in the world in terms of its catchment area and drainage coverage?
A. Congo basin C. Malaysian basin
B. Amazon basin D. Nile basin

577. Of the following geological eras which era is rich in basement complex rock?
A. Cenozoic era C. Mesozoic era
B. Precambrian era D. Paleozoic era

578. Shifting cultivation is common in equatorial climatic region. This shifting cultivation is practiced due to
A. Fallowing choice C. Unreliable rain fall
B. Dense forest covers D. leaching loam minerals

579. Of the following regions which one is known as Transitional region between rainforest and the Sahel regions?
A. Sahara desert region C. Highland region
B. Savanna region D. Humid region

580. Which statement is true about the Tropical rain forest region?
A. Tropical rain forest occur both to the north & south of the equator
B. The rain forest near the equator is equatorial rain forest
C. Tropical rain forest is very diverse in plants & animals species
D. All are true

581. Which of the following layer protects humanity from damaging ultra-violent rays?
A. CFC C. CH4
B. CO^2 D. O^3

582. Ozone layer is being depleted globally but the impact is less in
A. Tropical areas C. Polar areas
B. High latitudes D. Temperate areas

583. Which primary pollutant chemical compound is produced by volcanoes?
A. NO_2 C. CO
B. SO_2 D. VOCs

584. Which one of the following gas is very poisonous and produced from charcoal combustion?
A. NO_2 C. CO
B. SO_2 D. VOCs

585. Which pollutant gas is produced during thunderstorm by electric charges?
A. NO_2 C. CO
B. SO_2 D. VOCs

586. Of the following which one is categorized under environmental movements?
A. Free market environmentalism
B. Preservation
C. Conservation
D. All

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587. Which environmentalist thinking sees that environmental is inherent?
A. Light Green C. Bright Green
B. Dark Green D. All

588. Which environmental thinking believes as protecting the environment should be first?
A. Light Green C. Bright Green
B. Dark Green D. All

589. Which environmental thinking sees that radical change is needed in economic operation?
A. Light Green C. Bright Green
B. Dark Green D. All

590. Which of the following knowledge is termed as local?
A. Indigenous knowledge C. Global knowledge
B. Regional knowledge D. Continental Knowledge

591. Which knowledge has orally-transmitted nature?
A. Indigenous knowledge C. Global knowledge
B. Regional knowledge D. Continental Knowledge

592. Which Ethiopian people are known for conserving their land scape buy extensive dry stone terraces?
A. Gedeo C. Konso
B. Sidama D. Guji

593. Sengo Sacred forest trees are maintained and protected by traditional rules known as Seera in_____ communities.
A. Gedeo C. Konso
B. Sidama D. Guji

594. Which one of the following has less environmental problem?
A. Ozone depletion C. Environmental movement
B. Quality of fresh water D. Waste pollution

595. Which of the following is <u>true</u> about Nitrogen oxide?
A. It is toxic C. formed buy thunder storm
B. It is radish brown D. All

596. Which of the following is <u>true</u> about Carbon monoxide?
A. It is colorless C. Very poisonous
B. It is odorless D. All

597. Which one of the following factors is/are a major cause of desertation?
A. Population growth C. Deforestation
B. Over exploitation of resources D. All

598. Which one of the following is <u>not</u> a consequence of desertation?
A. Decrease of crop yield C. Increases crop yield
B. Biodiversity loss D. Wild animals' migration

599. The most natural factor responsible for the prevalence of drought is
A. Latitude C. El Nino & La Nino
B. Running water D. Altitude

600. Which factor is <u>not</u> responsible for the spread of desertation?
A. Soil erosion C. Deforestation
B. Climate change D. Soil and water conservation

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Answer sheets

NO	ANS	NO	ANS	NO	ANS	NO	ANS	NO	ANS	NO	ANS
1	C	41	B	81	B	121	C	161	C	201	A
2	D	42	B	82	B	122	D	162	B	202	C
3	B	43	D	83	B	123	A	163	A	203	B
4	D	44	D	84	D	124	D	164	C	204	A
5	A	45	D	85	C	125	A	165	A	205	C
6	D	46	B	86	A	126	D	166	B	206	D
7	A	47	C	87	C	127	B	167	A	207	C
8	C	48	A	88	B	128	C	168	A	208	D
9	A	49	A	89	C	129	D	169	D	209	B
10	C	50	A	90	B	130	C	170	A	210	C
11	B	51	D	91	B	131	D	171	A	211	A
12	A	52	B	92	D	132	C	172	A	212	C
13	C	53	C	93	D	133	D	173	D	213	A
14	D	54	C	94	B	134	B	174	C	214	C
15	B	55	B	95	D	135	D	175	A	215	B
16	A	56	D	96	B	136	A	176	A	216	C
17	D	57	A	97	B	137	C	177	B	217	B
18	D	58	D	98	D	138	A	178	A	218	D
19	A	59	C	99	A	139	B	179	C	219	D
20	C	60	C	100	C	140	D	180	B	220	B
21	D	61	B	101	A	141	A	181	B	221	D
22	B	62	B	102	C	142	D	182	D	222	A
23	B	63	C	103	C	143	C	183	B	223	B
24	D	64	D	104	B	144	C	184	A	224	C
25	A	65	A	105	C	145	D	185	D	225	A
26	B	66	B	106	C	146	A	186	C	226	D
27	D	67	C	107	B	147	A	187	C	227	A
28	A	68	C	108	D	148	A	188	A	228	B
29	C	69	B	109	B	149	A	189	B	229	C
30	B	70	C	110	C	150	A	190	B	230	C
31	C	71	B	111	D	151	D	191	B	231	C
32	B	72	B	112	C	152	D	192	A	232	C
33	A	73	A	113	C	153	B	193	B	233	B
34	B	74	B	114	B	154	B	194	A	234	B
35	C	75	B	115	A	155	B	195	B	235	C
36	A	76	A	116	A	156	A	196	C	236	B
37	D	77	B	117	B	157	A	197	B	237	D
38	A	78	A	118	A	158	C	198	D	238	A
39	B	79	D	119	D	159	D	199	A	239	D

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40	C	80	C	120	B	160	A	200	B	240	D

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NO	ANS	NO	ANS	NO	ANS	NO	ANS	NO	ANS
241	D	281	B	321	D	361	A	401	D
242	B	282	C	322	D	362	D	402	B
243	D	283	D	323	B	363	C	403	D
244	A	284	D	324	A	364	C	404	B
245	D	285	D	325	C	365	D	405	C
246	A	286	B	326	B	366	B	406	D
247	B	287	B	327	D	367	B	407	D
248	C	288	C	328	C	368	B	408	C
249	B	289	C	329	A	369	B	409	A
250	D	290	C	330	D	370	A	410	A
251	D	291	D	331	B	371	C	411	B
252	A	292	C	332	C	372	D	412	C
253	D	293	D	333	B	373	A	413	B
254	D	294	C	334	A	374	C	414	A
255	D	295	D	335	B	375	C	415	D
256	D	296	B	336	C	376	B	416	D
257	C	297	B	337	A	377	A	417	A
258	C	298	C	338	D	378	A	418	B
259	A	299	D	339	B	379	D	419	B
260	A	300	A	340	C	380	C	420	B
261	A	301	A	341	B	381	B	421	D
262	B	302	C	342	A	382	A	422	C
263	B	303	B	343	C	383	D	423	A
264	B	304	B	344	A	384	C	424	A
265	C	305	D	345	D	385	C	425	C
266	C	306	C	346	C	386	A	426	C
267	C	307	C	347	B	387	D	427	C
268	C	308	C	348	D	388	B	428	B
269	D	309	B	349	B	389	B	429	C
270	A	310	A	350	A	390	D	430	C
271	A	311	A	351	D	391	B	431	D
272	A	312	B	352	A	392	C	432	A
273	A	313	D	353	B	393	B	433	B
274	B	314	C	354	A	394	D	434	B
275	C	315	D	355	B	395	B	435	B
276	B	316	C	356	B	396	D	436	C
277	B	317	D	357	D	397	D	437	D
278	D	318	B	358	C	398	B	438	A

279	C	319	D	359	A	399	D	439	B
280	A	320	A	360	B	400	C	440	A

441	A	461	A	481	B	501	B	521	C
442	B	462	B	482	A	502	C	522	B
443	C	463	D	483	C	503	B	523	D
444	B	464	D	484	B	504	A	524	B
445	A	465	D	485	C	505	D	525	B
446	B	466	C	486	B	506	D	526	A
447	C	467	C	487	C	507	A	527	B
448	D	468	C	488	A	508	A	528	C
449	B	469	D	489	B	509	C	529	D
450	A	470	D	490	C	510	C	530	C
451	D	471	A	491	C	511	B	531	D
452	C	472	B	492	C	512	B	532	B
453	C	473	A	493	A	513	A	533	D
454	B	474	B	494	B	514	D	534	B
455	A	475	D	495	D	515	D	535	D
456	B	476	C	496	B	516	A	536	C
457	A	477	B	497	A	517	B	537	A
458	C	478	B	498	A	518	D	538	B
459	D	479	D	499	B	519	D	539	D
460	A	480	D	500	C	520	B	540	D

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541	A	561	A	581	D				
542	D	562	B	582	A				
543	B	563	C	583	B				
544	A	564	A	584	C				
545	D	565	D	585	A				
546	A	566	C	586	D				
547	D	567	D	587	B				
548	A	568	D	588	A				
549	A	569	C	589	C				
550	C	570	A	590	A				
551	A	571	B	591	A				
552	C	572	A	592	C				
553	A	573	B	593	A				
554	C	574	A	594	B				
555	D	575	D	595	D				
556	A	576	B	596	D				

557	C	577	B	597	D				
558	A	578	D	598	C				
559	A	579	B	599	C				
560	D	580	D	600	D				

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