

**ADDIS ABABA CITY ADMINISTRATION EDUCATION
BUREAU
GRADE 12 GEOGRAPHY MODEL EXAMINATION
MESEKEREM 2015/ SEPTEMBER 2022**

NUMBER OF QUESTIONS: 100,

TIME ALLOWED:-2 HOURS

GENERAL DIRECTIONS

THIS BOOKLET CONTAINS **GEOGRAPHY** EXAMINATION. IN THIS EXAMINATION, THERE ARE A TOTAL OF 100 MULTIPLE CHOICE QUESTIONS OUT OF WHICH SIGHTED (NON-VISUALLY IMPIRED) CANDIDATES ARE REQUIRED TO ATTEMPT QUESTIONS 1-100, WHEREAS THE VISUALLY IMPIRED CANDIDATES ARE REQUIRED TO ATTEMPT QUESTIONS 1-96 .

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

YOU WILL BE ALLOWED TO WORK ON THE EXAM FOR 2 HOURS. WHEN TIME IS CALLED, YOU MUST IMMEDIATELY STOP WORKING, PUT YOUR PENCIL DOWN, AND WAIT FOR FURTHER INSTRUCTIONS.

ANY FORM OF CHEATING OR AN ATTEMPT TO CHEAT IN THE EXAMINATION WILL RESULT IN AN AUTOMATIC DISMISSAL FROM THE EXAMINATION HALL AND CANCELLATION OF YOUR SCORE(S).

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

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

1. Which one of the following is the oldest and traditional definition of Geography?
 - A. The field of study which explains the spatial variation of phenomena on the earth's surface.
 - B. The study of the relationship that exists between human kind and the natural environment
 - C. The field of study which deals about the description of the earth.
 - D. The systematic study of landforms, climate, water resources, vegetation and human activities
2. Which one of the following branches of Geography studies the Anthroposphere?
 - A. Climatology
 - B. Economic geography
 - C. Cultural Geography
 - D. Population Geography
3. Which one of the following statement is **NOT** correct about the philosophy of Environmental Determinism?
 - A. It considers human beings as passive agents where the physical factors determine their attitude and process of decision making.
 - B. It supports the view that human beings are the masters of the environment
 - C. Its founding ideas were laid down by Greek and Roman scholars
 - D. It advocates the view that the physical environment controls human activities
4. Which one of the following is **NOT CORRECT** about the features of contour lines?
 - A. Contours that are close together indicate a steep slope.
 - B. Contours are lines actually drawn on the ground to show relief
 - C. Each contour line connect points with the same height above mean sea level
 - D. The vertical distance between two successive contour lines is equal
5. Which one of the following relief feature is indicated by the closed contours with elongated shapes and values increasing towards the center with no specific tips?
 - A. plateaus
 - B. depressions
 - C. valleys
 - D. mountain ranges
6. Which one of the following is the traditional method of showing relief feature on a map by using broken or picked lines?
 - A. Form lines
 - B. Oblique Illumination
 - C. Hachure
 - D. Layer tinting

7. Which one of the following ways of Interpolation is the quickest and the most accurate?
- A. Estimation method
 - B. Graphical method
 - C. Calculation method
 - D. All
8. Which one of the following is **NOT CORRECT** about vertical exaggeration?
- A. it increases the visual effectiveness of a given relief.
 - B. it has the potential to give a very strong impression.
 - C. it causes the slope of a hillside to look steeper than it actually is.
 - D. it is always perfect.
9. Which one of the following indicates the intervisibility of places?
- A. Under normal condition when the distance between two point is far away.
 - B. Under normal condition when Two points are separated by a concave slope
 - C. Under normal condition when two points are separated by a convex slope
 - D. Under normal condition when Two points are located at the opposite sides of high ground
10. Which one of the following is explained by the entire geographical space that is drained by the major river and its tributaries?
- A. drainage basin
 - B. drainage system
 - C. drainage pattern
 - D. watershed/divide
11. Which one of the following represents a point where one strong river cuts into the course of another weak river during river capture?
- A. Misfit or under fit stream
 - B. Reverse drainage
 - C. Wind gap
 - D. Elbow of capture
12. Which one of the following shows the correct order of settlements from smaller to larger ones based on population number?
- A. Cities _____ Hamlets _____ Metropolis _____ Megalopolis
 - B. Hamlet _____ Cities _____ Metropolis _____ Megalopolis
 - C. Hamlets _____ Cities _____ Megalopolis _____ Metropolis
 - D. Hamlets _____ Metropolis _____ Cities _____ Megalopolis

13. Which one of the following is **NOT CORRECT** about the characteristics of upper course of a river?
- A. The presence of waterfalls, rapids and cataracts
 - B. The presence of fast-flowing rivers causes vertical erosion
 - C. The development of Oxbow lakes
 - D. The development of pot-holes
14. Which one of the following type of settlement is mostly found in rural areas?
- A. Dispersed settlement
 - B. Nucleated settlement
 - C. Linear settlement
 - D. Ribbon settlement
15. Which one of the following land form is a dip or low point between two areas of higher ground?
- A. Ridge
 - B. Saddle
 - C. Hill
 - D. Cliff
16. Which one of the following is **WRONG** about urban settlement?
- A. has defined shapes of settlement
 - B. Town and city settlements.
 - C. has no planned streets
 - D. Practice above secondary economic activities
17. Which one of the following is **NOT CORRECT** about the absolute location of Africa?
- A. The continent extends for about 37° to the north of the equator and 35° south of it.
 - B. The continent extends for about 17° west and 51° east of the Greenwich Meridian.
 - C. The only continent crossed by the Tropic of Cancer, Tropic of Capricorn, the Equator and the Prime Meridian.
 - D. The Extreme North point of Africa is known as Cape Verde.
18. Which one of the following statements is **NOT CORRECT** about the African continent?
- A. The North-South and East-West extents of the continent are equal with minor difference
 - B. The continent's coastline is long and has many indentations, inlets, bays or gulfs.
 - C. The greater land mass of Africa lies to the north of the equator
 - D. Most parts of the high mountains of Africa are of volcanic origin

19. Which one of the following regions of Africa is the most urbanized?
- A. Northern Africa
 - B. Western Africa
 - C. Southern Africa
 - D. Eastern Africa
20. Which one of the following is **NOT** parts of Gondwanaland?
- A. the Arabian Peninsula
 - B. the Indian subcontinent
 - C. North America
 - D. Australia
21. Which one of the following era is known by the orogenesis and metamorphism process?
- A. Paleozoic era
 - B. Mesozoic era
 - C. Cenozoic era
 - D. Precambrian era
22. Which one of the following epoch is **NOT** found under tertiary period of Cenozoic era?
- A. Pleistocene
 - B. Pliocene
 - C. Oligocene
 - D. Eocene
23. Which one of the following is the lowest point of Africa?
- A. Red sea coastal plain
 - B. Qattara Depression in Egypt
 - C. Kobar sink in Ethiopia
 - D. Dallol depression in Sudan
24. Which one of the following is **NOT CORRECT** about young fold mountains of Africa?
- A. located in northwestern Africa, particularly in the Maghreb region
 - B. They are called the Atlas Mountains
 - C. They were formed during the Alpine orogenesis during the Cenozoic era.
 - D. They were formed during the Hercynian orogeny in the Mesozoic era.
25. Which one of the following country is **NOT** touched by the great East African Rift Valley?
- A. Algeria
 - B. Tanzania,
 - C. DR Congo
 - D. Rwanda

26. Which one of the following ocean currents makes the Southeastern Africa warm and wet?
- A. Canary Current
 - B. Benguela Current
 - C. Mozambique Current
 - D. Agulhas Current
27. Which one of the following is the main global pressure belts that affect the climate of Africa between 30°N and 30°S latitudes?
- A. Horse latitude
 - B. Equatorial low (doldrums)
 - C. Polar easterlies
 - D. Subtropical highs
28. Mainly in which of the following parts of Africa the location of ITCZ would be in January?
- A. Over the northern half of the continent
 - B. Over the north-eastern half of the continent
 - C. Over the southern half of the continent
 - D. Over the north western half of the continent
29. Which one of the following country of Africa experience equatorial climate type?
- A. Congo
 - B. Mozambique
 - C. Botswana
 - D. Libya
30. Which one of the following is **NOT TRUE** about the characteristics of Equatorial Climate region of Africa?
- A. High sun angle throughout the year
 - B. High mean monthly and mean annual temperatures
 - C. High daily and low annual range of temperature
 - D. Low total annual rainfall, with rain falling throughout the year
31. Which one of the following countries of Africa is **NOT** located in the Sahel Zone?
- A. Angola
 - B. Chad
 - C. Sudan
 - D. Nige

32. Which Drainage Systems of Africa has only one major river basin, which is the Nile?
- A. Atlantic Ocean drainage system
 - B. Indian Ocean drainage system
 - C. Mediterranean Sea drainage system
 - D. Closed (Inland) drainage system
33. Which one of the following does **NOT** affect the use of African rivers for navigation?
- A. Deltas mouths
 - B. Low demand for water transport
 - C. Rapids and waterfalls
 - D. Seasonal volume fluctuation
34. Which one of the following rivers basin constitutes Africa's largest artificial lake?
- A. Congo
 - B. Niger
 - C. Nile
 - D. Volta
35. Which one of the following is the longest water fall in Africa?
- A. Maletsungane, Lesotho
 - B. Tis Isat, Ehtiopia
 - C. Tugela, South Africa
 - D. Chirombo, Zambia
36. Which one of the following is the rift valley lake in Africa?
- A. Chad
 - B. Tanganyika
 - C. Victoria
 - D. Tana
37. Which one of the following river and dam is **NOT CORRECTLY** matched?
- A. Aswan High = Nile
 - B. Akosombo = Volta
 - C. Kariba = Zambezi
 - D. Kaindji = Volta
38. Which of the following vegetation type grows on swampy or waterlogged grounds?
- A. Xerophyte
 - B. Bamboo
 - C. Mangrove
 - D. Mediterranean

39. Which one of the following is the forest-conservation measure by planting trees in urban areas in association with human settlements?
- A. Reforestation
 - B. Afforestation
 - C. Social forestry
 - D. Agro-forestry
40. Which one of the following area has the richest and most diverse wildlife concentration in Africa?
- A. In the tropical rainforests area
 - B. In desert and semi-desert areas
 - C. In the savannah grassland area
 - D. In river valleys, lakes and swampland area
41. Which one of the following soil group is the largest in Africa?
- A. Pedocals
 - B. Pedalfers
 - C. Hydromorphic soils
 - D. Azonal soils
42. Which soil types of Africa have a deep profile, rich in humus content and ideal for crop production?
- A. Calcisols
 - B. Solonchaks
 - C. Regosols
 - D. Nitosols
43. Which one of the following is the soil conservation measure by covering the soil with plant residue to let the soil regain some nutrients as the residue decays?
- A. Mulching
 - B. Green manure
 - C. Crop rotation
 - D. Check dams
44. Which one of the following measures of population change can be described by the difference between Rate of natural increase and Net-migration Rate expressed in percentage?
- A. Doubling time
 - B. Population growth rate
 - C. Population explosion
 - D. Population stagnation
45. Which of the following are the Top Densely Populated Countries in Africa?
- A. Mauritius, Botswana and Mali
 - B. Chad, Mayotte and Gabon
 - C. Mauritius, Mauritania and Seychelles
 - D. Mauritius, Mayotte and Seychelles

46. Which one of the following Components of population change cause population gain?
- A. Emigration and mortality
 - B. Mortality and immigration
 - C. Fertility and Immigration
 - D. fertility and emigration
47. Which one of the following is **WRONG** about the characteristics of Africa population?
- A. high young population but very low old age population
 - B. High fertility and mortality rates
 - C. High age dependency ratio
 - D. High life expectancy
48. Which one of the following is the Push factor of migration?
- A. Amenities
 - B. High standard of living
 - C. Social upheaval
 - D. Job prospects
49. Which one of the following is the Intra-continental type of migration?
- A. The movement of people from Ethiopia to South Africa.
 - B. The movement of people from Africa to Asia
 - C. The movement of people from Ethiopia to Australia
 - D. The movement of people from Africa to Japan
50. Which one of the following is the advantage of migration for the receiving countries?
- A. Ethnic groups tend not to integrate
 - B. Racial tension
 - C. Over comes labor shortage
 - D. Language difficulties
51. Which one of the following is **CORRECT** about economic development?
- A. It is the increase in the total amount of production and wealth of a given economy.
 - B. It is only quantitative change.
 - C. It is a measure of the value of output of goods and services within a certain period of time.
 - D. It is both quantitative and qualitative change.

52. The total value of goods and services produced in a country over a period of time refers to:
- A. Gross Domestic Product (GDP)
 - B. the Per capita income (GNP per capita)
 - C. the Standard of living
 - D. wealth
53. Which one of the following is the Characteristics of Developing Countries?
- A. Wealth is comparatively evenly distributed,
 - B. Farming is commercial, efficient, and mechanized.
 - C. Primary industries dominate national economies.
 - D. Social conditions generally good.
54. Which of the following is **NOT** among the goals of the African union?
- A. to establish an African Economic Community with a single currency by 2023.
 - B. the creation of a free trade area and a custom union
 - C. placing the armed forces of Africa under a single central command
 - D. the creation of an Africa central bank
55. Which one of the following is the traditional mining method of Africa process by the extraction of mineral deposits from excavations of sand, gravel, clay, or silt?
- A. strip mining
 - B. Placer mining
 - C. Quarrying
 - D. Capital intensive mining
56. Which one of the following is **INCORRECT** about qualitative approaches of research?
- A. Statistical and mathematical techniques are not used.
 - B. Manipulate variables and see the effects of one variable on other variables.
 - C. The relationships between variables are not analyzed or presented numerically.
 - D. An established theory is not verified statistically

57. Which one of the following is the source of secondary data in the research process?
- A. Field observation
 - B. Interview
 - C. Journal
 - D. Questionnaire
58. Which one of the following is the focus of geographical research traditionally?
- A. physical and human characteristics of places in our world
 - B. the forces responsible for the formation of the patterns
 - C. the spatial distributions of phenomena and things
 - D. Locations of places and people.
59. Which one of the following subjects could be studied with the qualitative approach?
- A. Effects of drought on crop productivity.
 - B. The number of drop out students.
 - C. The decreases in the amount of rain fall towards the poles from the equator.
 - D. The number of urban and rural population of Ethiopia.
60. Which one of the following is a skill that uses different steps or elements to solve a given identified problem and arrive at a possible solution?
- A. research report
 - B. research method
 - C. research methodology
 - D. Review literature
61. Which one of the following is the basic element of research that considers the required time, finance, the means of obtaining the information and the competence of the researcher?
- A. Research design
 - B. objectives of the study
 - C. Statement of the problem
 - D. significance of the study
62. Which one of the following is **CORRECT** about Probability Sampling?
- A. Only chance determines whether an item is selected or not.
 - B. There is always a danger of bias in such sampling.
 - C. The items for the sample are selected deliberately by the researcher.
 - D. every item of the population has not an equal chance

63. In Geographic research, it is **NOT** always easy to take the entire population as a study unit. What technique do you use to decide your study unit?
- A. Sampling techniques
 - B. Changing the research topic
 - C. Use of qualitative method
 - D. Dividing the study unit among many researchers
64. Which one of the following has **NOT** any contribution for the development of modern map making?
- A. The revival of aspects of the ancient Greco-Roman civilizations during the Renaissance.
 - B. The Age of Exploration and Discovery.
 - C. The invention of the printing press.
 - D. The civil wars
65. Which one of the following is **TRUE** about Reference or General Purpose Maps?
- A. They are topographic maps that portray different features at the same time by using large scale.
 - B. They are made at a smaller scale covering smaller areas to show details.
 - C. They are distribution maps that emphasize the distribution of a single geographical element or character.
 - D. They are thematic maps
66. Which one of the following is an Isoplethic maps that show equal transportation-cost distribution?
- A. isohypt
 - B. Isoneph maps
 - C. Isodapane
 - D. isobaths
67. Which one of the following is **WRONG** about Globe?
- A. All meridians and parallels on a globe intersect at right angles
 - B. The scale on the surface of a globe is not identical over its entire surface.
 - C. All meridians converge at the poles
 - D. Parallels decrease in length as they approach the poles.

68. Which one of the following is a technique that cartographers use to transfer information from a globe to a flat surface in order to create a map?
- A. Geographic information system
 - B. Map projection
 - C. Cartography
 - D. Grid system
69. Which one of the following projection is suitable to show middle latitude Regions?
- A. Conical
 - B. Zenithal
 - C. Cylindrical
 - D. Azimuthal
70. Which one of the following is **WRONG** about cylindrical projection?
- A. Parallels and meridians are straight line
 - B. Distortions increase pole wards from the equator.
 - C. All parallels are greater in length to the equator.
 - D. Suited to show tropical region.
71. Which one of the following type of projections maintains the accuracy of shape?
- A. homolographic projections
 - B. conformal projections
 - C. orthomorphic projections
 - D. azimuthal projection
72. Which type of Geometrical Map projections produce circular maps?
- A. cylindrical
 - B. conic
 - C. Planar
 - D. Mathematical
73. Which one of the following is **TRUE** about sketch map?
- A. show absolute locations
 - B. It drawn by using scale
 - C. It is not easily recognizable.
 - D. It is crude.
74. Which one of the following is **WRONG** about the horn of Africa?
- A. It is the birth place of homonids
 - B. It is a narrow tip, separating Indian Ocean from the Gulf of Aden.
 - C. It is also the home of similar ethnic groups with a common culture.
 - D. It has diverse landforms.

75. Which one of the following is **INCORRECT** about Ethiopia?
- A. Has the largest areal coverage in the horn of Africa.
 - B. Cover 0.7 percent of the world's land area
 - C. The total length of the country's boundary line is 5260 km.
 - D. Have elongated (linear) shapes.
76. In which of the following geological era the first forms of life emerged, such as amoeba and bacteria?
- A. Paleozoic era
 - B. Pre-cambrian era
 - C. Mesozoic era
 - D. Cenozoic era
77. Which one of the following is the **CORRECT** order of sedimentary rocks formed in Ethiopia during Mesozoic era from the oldest to the youngest?
- A. Adigrate sandstone → Hintalo limestone → upper sandstone
 - B. Hintalo limestone → Adigrate sandstone → Upper sandstone.
 - C. Upper sandstone → Hintalo limestone → Adigrate sandstone
 - D. Upper sandstone → Adigrat sandstone → Hintalo limestone
78. Which one of the following physiographic region divides the highlands of Ethiopia into two parts?
- A. Rift valley
 - B. Dallol depression
 - C. Abay Gorge
 - D. Southern lowland
79. Which one of the following is **NOT** the Geologic Events of the Quaternary Period?
- A. The formation of Afar Horst that extends into Djibouti
 - B. The formation of active volcano of Ertalle in Afar
 - C. The formation of South-eastern Highlands.
 - D. The formation of extensive lava field of Methara.
80. Which one of the following mountain is **NOT** found under the Plateau of Tigray?
- A. Mount Tsibet
 - B. Mount Ambalage
 - C. MT. Birhan
 - D. Mount Assimba
81. Which one of the following is the smallest section of the Ethiopia rift valley and known by Omo-ghibe trough is;
- A. The Afar Triangle
 - B. the Lakes region
 - C. The central rift valley
 - D. The chew-Bahirriff

82. Which one of the following is **NOT** true about the lowlands of Ethiopia and the Horn?
- A. They are located in the peripheries of Ethiopia and the horn.
 - B. They are located generally above 1000m contour line
 - C. have relatively harsh and hot climate
 - D. They are inhabited mainly by pastoralists
83. Which one of the following is **NOT** correct combination based on the new name given after they cross the border of Ethiopia?
- A. River Abbay = Blue Nile in the Sudan.
 - B. River Tekezze = Atbara in the Sudan.
 - C. River Ghenalle = River Juba in Somalia.
 - D. River Baro = River Akobo in Somalia.
84. Which one of the following is **NOT** a crater lake in Ethiopia?
- A. Tana
 - B. Bishoftu
 - C. Wonchi
 - D. Zequala
85. Which one of the following is the main factor that determines the spatial distribution of temperature in Ethiopia?
- A. Ocean current
 - B. Altitude
 - C. Planetary winds
 - D. Distance from the sea
86. Which one of the following is the Global equivalent name for the Dega Traditional agro-ecological zone of Ethiopia?
- A. Alpine or Afro-Alpine
 - B. Temperate
 - C. Sub-tropical
 - D. Tropical
87. Which one of the following place is found under Summer Rainfall Region?
- A. Assaita
 - B. Gode
 - C. Jijiga
 - D. Bahrdar
88. Which one of the following is **CORRECT** about the natural vegetation of Ethiopia?
- A. Afro-alpine and sub-Afro-alpine vegetations are found in the Semein and Bale Highlands.
 - B. short acacia is a type of Lowland Forests
 - C. Zigba (Podocarpus) is a type of Lowland Forests.
 - D. Woodland Savanna are found between 1500 - 3300 meter altitude

89. Which one of the following is **NOT** the type of Rare/Endemic/ animals in Ethiopia?
- A. Walia Ibex (wild goat), found in the Semein highlands.
 - B. jackal
 - C. Mountain Nyala (DegaAgazon)
 - D. Gelada' or 'Chelad' baboon
90. Which one of the following is **WRONG** about the view of Karl Marx?
- A. Scarcity of food and other resources is not the result of population growth. Instead, it is the result of the capitalist mode.
 - B. People are poor because of capitalism that causes unfair distribution of wealth.
 - C. Recommended socialist economic order as a solution.
 - D. Recommended capitalist economic order as a solution.
91. Which one of the following is **NOT** the possible conclusion of the Anti-Malthusian population Theory?
- A. population growth can intensify agriculture to maintain food security
 - B. innovation and technological advancement uses in order to cope with the scarcity of food
 - C. catastrophes such as war, diseases and famine should be allowed to avoid population growth
 - D. population growth having positive consequences
92. Which one of the following is **TRUE** about the population condition of Ethiopia?
- A. has a broad base population pyramid
 - B. The first census of Ethiopia was takes place in 1994
 - C. Follow pro- natalist population policy
 - D. Has high old age group than Canada
93. Which one of the following is **NOT** the negative result of rapid population growth?
- A. shortage of land
 - B. deforestation
 - C. Pollution
 - D. Commercial Agriculture
94. Which one of the following is a system of continuous and legal recording of the occurrence of events such as, births, deaths, marriages and divorces?
- A. Census
 - B. Vital Registration
 - C. Sample survey
 - D. Population projection

95. Which one of the following is the most densely populated region in Ethiopia?

A. SNNPR

C. Tigray

B. Amhara

D. Somali

96. Which one of the following factors is the main cause for high rate of urbanization in Ethiopia?

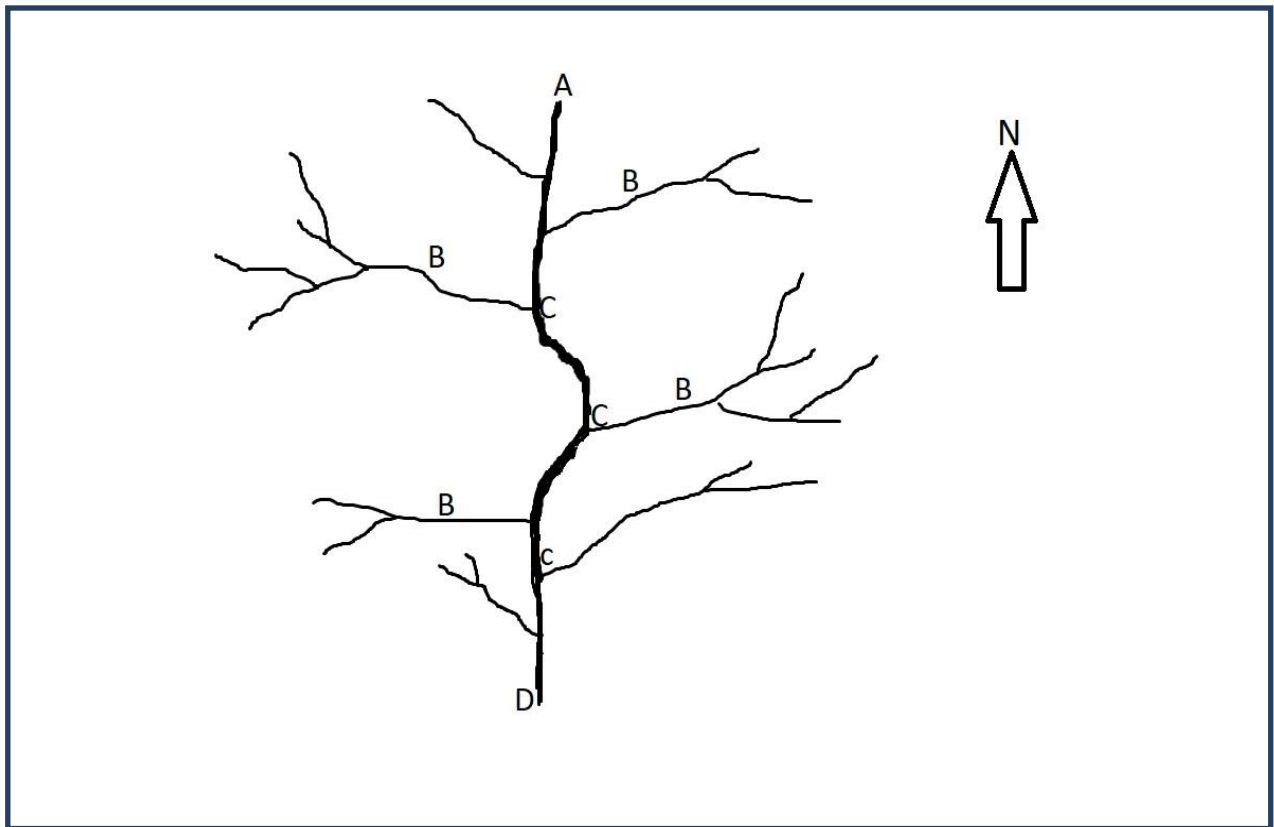
A. high food production

B. high economic development of urban

C. low natural increase

D. high rate of rural-urban migration

Question number 97-100 is based on the figure given below



A river's catchment area

NB. The river flow south wards

97. On the above figure which features of a river letter 'c' represent?
- A. source of the main river
 - B. the tributaries of the main river
 - C. the confluences
 - D. the mouth of the main river.
98. On the above figure which features of a river letter 'D' represent?
- A. source of the main river
 - B. the tributaries of the main river
 - C. the Delta
 - D. The mouth of the main river.
99. On the above figure which features of a river letter 'A' represent?
- A. the mouth of the main river.
 - B. source of the main river
 - C. the tributaries of the main river
 - D. the confluences
100. Which type of drain age pattern is represented on figure?
- A. Dendritic drainage pattern
 - B. Rectangular drainage pattern
 - C. Radial drainage pattern
 - D. Centripetal drainage pattern