

ADDIS ABABA EDUCATION BUREAU
2012/2020 GRADE 12 GEOGRAPHY MODEL EXAMINATION

TIME ALLOWED: 2:00 HOURS

GENERAL DIRECTIONS

THIS BOOKLET CONTAINS GEOGRAPHY EXAMINATION. IN THIS EXAMINATION, THERE ARE A TOTAL OF 105 MULTIPLE CHOICE QUESTIONS OUT OF WHICH SIGHTED (NON-VISUALLY IMPIRED) CANDIDATES ARE REQUIRED TO ATTEMPT QUESTIONS 1-100 WHEREAS THE VISUALLY IMPIRED CANDIDATES ARE REQUIRED TO ATTEMPT QUESTIONS 1-95 AND 101-105.

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

YOU WILL BE ALLOWED TO WORK ON THE EXAM FOR 2 HOURS. WHEN TIME IS CALLED, YOU MUST IMMEDIATELY STOP WORKING, PUT YOUR PENCIL DOWN, AND WAIT FOR FURTHER INSTRUCTIONS. ANY FORM OF CHEATING OR AN ATTEMPT TO CHEAT IN THE EXAMINATION WILL RESULT IN AN AUTOMATIC DISMISSAL FROM THE EXAMINATION HALL AND CANCELLATION OF YOUR SCORE(S). PLEASE MAKE SURE THAT YOU HAVE WRITTEN ALL THE REQUIRED INFORMATION ON THE ANSWER SHEET BEFORE YOU START TO WORK ON THE EXAMINATION.

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

1. One of the following is different from others:

A. Lottery sampling	C. Probability Sampling
B. Purposive Sampling	D. Random Sampling
2. A type of slope which is indicated by widely spaced at the top of a hill and close together at the bottom is:

A. Concave slope	C. Convex slope
B. Even slope	D. Escarpment
3. Which one of the following is **NOT** among the European contribution on modern map making?
 - A. The concept of parallels and meridians
 - B. Substituting flat maps for globes
 - C. Mathematical method of map making
 - D. Pictographic mapping techniques
4. The prominent scholar who supported the school of possibilism is:

A. Charles Darwin	C. Demolins
B. F. Ratzel	D. Febvre
5. One of the following is **NOT correct** regarding the properties of globe?
 - A. Scale on surface of a globe is identical on its entire surface
 - B. All meridians converge at poles
 - C. All parallels are parallel to each other
 - D. Parallels increase in length as they approach the poles
6. The measure of the welfare of human beings in a certain state is:

A. Gross National Product.	C. Economic growth
B. Per capita Income	D. Economic Development
7. One of the following is considered as a disadvantages of Ethiopia's large size:
 - A. Much cost for infrastructural facilities
 - B. Diverse agro-ecological zones
 - C. Wide variety of fauna and flora
 - D. Large amount of arable land

8. Which one of the following is the leading producer of both Gold and Cocoa in Africa?

A. Ghana	C. Nigeria
B. Zambia	D. Zambia
9. Which one of the following is **NOT** the characteristic of developing countries?

A. Low per capita income	C. Subsistence agriculture
B. High level of literacy	D. High birth and death rate
10. What is the Eastern extreme point of Africa?

A. Cape Bon (37°21'N)	C. Cape Verde (17°33'W)
B. Cape Agulhas (34°52'S)	D. Cape Guardafui (51°28'E)
11. The longest river in Ethiopia is called _____.

A. Nile	C. Awash
B. Wabeshebele	D. Tekezze
12. Which one of the following relief structure of Africa covers the largest percentage?

A. Mountains	C. Plains
B. Plateaus	D. Valleys
13. Animals that climb up trees and mostly found in the rainforest region of Ethiopia are:

A. Arboreal	C. Endemic animals
B. Game animals	D. Aquatic animals
14. Which one of the following cold ocean current makes the southwestern parts of Africa both cool and Dry?

A. Bengula	C. Mozambique
B. Canary	D. Labrador
15. Which of the following localities of Ethiopia experiences a summer rainfall region?

A. Gode	C. Gondar
B. Moyalle	D. Assaita

16. The Maghreb region in North Africa and the Cape Province of South Africa receives rain fall in winter from:
- A. The westerly winds
 - B. South polar easterlies winds
 - C. South east monsoon winds
 - D. North polar easterlies winds
17. Which one of the following theories of human population has **nothing** to do with Karl Marx?
- A. Surplus population theories
 - B. Agricultural transformations
 - C. Population growth must have a natural limit
 - D. Socialism with new economic structure and new social order
18. Which of the following branches of great East Africa rift valley hosts the continent's highest block (horst) mountains?
- A. Ethio-Eritrea-Djibouti-Northern Somalia Branch
 - B. Western Branch
 - C. Eastern (Gregory) Branch
 - D. Malawi Rift Valley
19. One of the following regions of Ethiopia has the lowest percentage from the country's urban population?
- A. Oromia
 - B. Tigray
 - C. Addis Ababa
 - D. Gambella
20. Which one of the following is the main reason of Ethiopia's population pyramid to form a triangle?
- A. Low birth rate and fewer dying of young people
 - B. High birth rate and high death rate
 - C. Low birth rate and high death rate
 - D. Low migration

21. One of the following includes under systematic approach of geography:
- A. The geography of disease
 - B. The geography of Addis Ababa
 - C. The geography of Middle East
 - D. The geography of Africa
22. From the following which one is the largest hierarchy of settlement based on the services get diversified?
- A. Megalopolis
 - B. Conurbation
 - C. Metropolis
 - D. Large City
23. One of the following is a unique feature of rural settlement:
- A. Settlers Consists cities and towns
 - B. Settlers are Specialized in business activities
 - C. Settlers are depend on agriculture
 - D. Characterized with high population density
24. Which region of Africa is the largest in terms of its population size and number of countries?
- A. Northren Africa
 - B. Central Africa
 - C. Eastern Africa
 - D. Southern Africa
25. Which of the following conservation measures of wild animal in Ethiopia have a best role?
- A. Establishing national park
 - B. Replanting of trees
 - C. Afforestation
 - D. Controlling livestock population
26. Two places are said to be inter visible:
- A. If there is dense vegetation
 - B. If there is no high altitude between the two points
 - C. If there is higher ground between the two points
 - D. If there is high altitude between the two points

27. One of the following is **NOT** among the top goals of the Ethiopian national strategy called ADLI:
- A. Economic growth through rural-center development
 - B. Improved living standards for rural and urban dwellers
 - C. Effective education services
 - D. Expansion of curative healthcare
28. One of the following is **NOT correct** about Equatorial climate region.
- A. High angle of the sun 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.
29. Which of the following economic sectors of Ethiopia is lowest share according to their contribution to GDP?
- A. Service
 - B. Agriculture
 - C. Industry
 - D. Trade
30. All of the following features belong to river capture except:
- A. Underfit stream
 - B. Reverse drainage
 - C. Wind gap
 - D. Trellis
31. Which of the following basic research elements comes **first** and **last** during research project, respectively?
- A. Formulating hypothesis and identifying problem
 - B. Significance of the study and collecting data
 - C. Identify the problem and Bibliography
 - D. Sample design and objectives of the study

32. What will be the consequences of the lower growth rate of population on the length of the doubling time of the population?
- A. The longer is the doubling time
 - B. The doubling time of the population is constant
 - C. The shorter is the doubling time
 - D. Population growth could not be determined doubling time
33. One of the following historical events that promoted the development of modern map making is the recent one?
- A. The introduction to GIS and remote sensing
 - B. The revival of renaissance
 - C. The age of exploration and discovery
 - D. The invention of printing press
34. Which of the following branches of geography studies the Anthrosphere?
- A. Climatology
 - B. Bio-geography
 - C. Cultural geography
 - D. Population geography
35. Which of the following statement is **correct** about cylindrical projection?
- A. Meridians make arc of concentric circles
 - B. Parallels and meridians are straight lines intersecting at right angles
 - C. Distortions increase as parallels move away from the standard parallel
 - D. It is suited for higher latitudes
36. The main reason for Africa receives high angle of the sun throughout the year is due to:
- A. Difference in altitude
 - B. Tropical location
 - C. The influence of ocean currents
 - D. Distance from the sea
37. The southern extreme of Ethiopia is called_____.
- A. Akobo
 - B. Ogaden
 - C. Moyalle
 - D. Badime

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45. Which one of the following is the area of similarity between the Malthusian and anti-Malthusian population theories?
- A. Solutions to the problems of over population
 - B. Decrease in population growth
 - C. Increased demand for food
 - D. Improvement in Technology
46. One of the following is **wrong** about the continent of Africa.
- A. The North-South and East-West extents are almost equal.
 - B. The only continent crossed by the Tropic of Cancer and Tropic of Capricorn.
 - C. Gets closest to Europe across the Strait of Bab-el Mandab.
 - D. The continent that have relatively compact shape.
47. All of the following are among the major factors that contributed to the origin and developments of most urban centers, **except**.
- A. The five-year Italian occupation which intensified the construction
 - B. The interconnection of the different parts of the country by all-weather roads
 - C. Overcrowding and inadequate municipal services
 - D. Development of small-scale industries and services giving institutions
48. Which one of the following type of soil is included in Azonal soil group?
- A. Nitosols
 - B. Lixisols
 - C. Arenosols
 - D. Calcisols
49. One of the following is **NOT** a major factor for high fertility rate in Ethiopia?
- A. Early marriage
 - B. Low level of family planning
 - C. High social status of women
 - D. Perception of high economic value of children

50. A drainage pattern which has a tree like shape with branches is known as:
- A. Trellis drainage pattern
 - B. Radial drainage pattern
 - C. Centripetal drainage pattern
 - D. Dendritic drainage pattern
51. The difference between birth rate and death rate is called_____.
- A. Infant Mortality Rate/IMR/
 - B. Net Migration Rate/NMR/
 - C. Rate of Natural Increase/RNI/
 - D. Population Growth Rate/PGR/
52. Which of the following is the possible forest conservation measure by planting trees in urban areas in association with human settlements?
- A. Agro-forestry
 - B. Social forestry
 - C. Human encroachment
 - D. Establishing national parks
53. Which one of the following is different from the others?
- A. GTP
 - B. SDPRP
 - C. PASDEP
 - D. IGAD
54. Who define Geography as “a science that is meant to provide accurate, orderly, and rational description and interpretation of the variable character of the earth’s surface?
- A. Martin Kenzer
 - B. Richard Hartshorne
 - C. Alexander von Humboldt
 - D. Gregg Wassmansdorf
55. Which one of the following is **incorrect** about the population of Africa.
- A. Second populous continent next to Asia.
 - B. Fastest Population growth.
 - C. Uneven distribution of population.
 - D. High life expectancy.
56. Which one of the following is correct about Afro-montane vegetation?
- A. Located mainly in east Africa High lands.
 - B. Grow in desert of south central Africa.
 - C. Dominant in the Mediterranean coast
 - D. Generate large income through export of timber

57. Which one of the following types of projection maintains the accuracy of direction?
- | | |
|-----------------------------|-------------------------|
| A. Orthomorphic projection | C. Azimuthal Projection |
| B. Homolographic projection | D. Conical projection |
58. Which one of the following is the human factor that affects the distribution of population?
- | | |
|------------------------|-----------|
| A. Climate | C. Relief |
| B. Political condition | D. Soil |
59. Which one of the following factors does **NOT** drive countries to establish economic relationships:
- A. Economic factors and comparative advantages
 - B. Political affiliations due to uncommon interests
 - C. Physiographic variation
 - D. Geographic factors
60. A short and continuously sloping line of higher ground that normally extends out from the side of a ridge is:
- | | |
|----------|---------------|
| A. Cliff | C. Spur |
| B. Cut | D. Re-intrant |
61. Which of the following is **Not Correct** about research?
- A. Limits our power of prediction
 - B. Provides basis for government policies
 - C. Provide guide lines for solving problems
 - D. Promote logical habit of thinking
62. Which one of the following is a positive and none biological component of population change?
- | | |
|----------------|---------------|
| A. Immigration | C. Emigration |
| B. Birth | D. Death |

63. One of the following is different from the others?
- A. Chrochromatic map
 - B. Isopleth map
 - C. Dot maps
 - D. Choropleth maps
64. Which one of the following is differs from the other?
- A. Rural to Urban migration
 - B. Rural to Rural migration
 - C. Intercontinental migration
 - D. Urban to Rural migration
65. Which one of the following is **Correct** about sketch map?
- A. It is true to scale
 - B. It takes long time to draw
 - C. It is not clumsy
 - D. It is simple free hand drawing
66. Which one of the following is wrong about tropical rain forest vegetation?
- A. Hard wood
 - B. Evergreen
 - C. Broad leaves
 - D. Low species diversity
67. One of the following is **NOT** the challenges of Ethiopia's socio-economic development?
- A. Promotion of capacity building regarding to education and skills
 - B. Land fragmentation
 - C. Low level of investment
 - D. Environmental degradation
68. Which one of the following is an Industrial town?
- A. Kulubi
 - B. Wanzaye
 - C. Dukam
 - D. Ginchi
69. Which one of the following is the wettest region in Ethiopia?
- A. North western highlands
 - B. South western highland
 - C. North central massif
 - D. South eastern highlands
70. The process by which large numbers of people become permanently concentrated in relatively small areas, forming cities or towns is known as:
- A. Urban
 - B. Urbanization
 - C. Urbanism
 - D. Settlement

71. Which one of the following is different from the other?
- A. Ghenalle
 - B. Tekezze
 - C. Baro-Akobo
 - D. Abbay
72. Which one of the following is **under** river basin of Indian Ocean drainage system?
- A. Congo
 - B. Niger
 - C. Gambia
 - D. Zambezi
73. A wild animal conservation area where hunting is strictly prohibited is:
- A. National park
 - B. Game reserves
 - C. Sanctuaries
 - D. Areal enclosure
74. The climate region that is found along the south east coast of Africa is:
- A. Tropical maritime (monsoon)
 - B. Warm temperate continental
 - C. High land (mountain)
 - D. Mediterranean climate
75. Which one of the following vegetation is considered as desert and semi-desert vegetation?
- A. Maquis
 - B. Asta
 - C. Acacia
 - D. Mahogany
76. Which one of the following is **NOT** among the Ethiopia's population policy strategy?
- A. Expanding contraceptive distribution
 - B. Promoting the involvement of males in family planning
 - C. Reducing the age of marriage for boys and girls
 - D. Promoting breast-feeding for birth spacing
77. The sun is overhead south of the equator during summer season in
- A. March, April and May
 - B. September, October and November
 - C. June, July and August
 - D. December, January and February

78. Population policy that seeks to higher fertility rate and population growth is:
- A. Anti-natalist Policy
 - B. Pro-natalist Policy
 - C. Environmental Policy
 - D. Demographic policy
79. Which one of the following countries is **NOT** belong to under Sahel region?
- A. Mauritania
 - B. Libya
 - C. Mali
 - D. Sudan
80. Which one of the following regions of Ethiopia is considered as sparsely populated?
- A. Afar
 - B. Oromia
 - C. SNNP
 - D. Amhara
81. _____ is any death that occurred during pregnancy, child birth or within two months after a birth or termination of a pregnancy?
- A. Infant mortality Rate
 - B. Maternal mortality rate
 - C. Child mortality rate
 - D. Crude death rate
82. The PASDEP program was based on the following activities, **except**.
- A. Strengthening the infrastructure back bone
 - B. Decreasing number of girls to complete their schooling
 - C. Creating jobs by managing the dynamics of population growth
 - D. Accelerating growth through commercialization of agriculture
83. Which one of the following is the main cause of deforestation?
- A. Unwise cutting of trees
 - B. Controlling burning practices
 - C. Reducing use of fuel wood
 - D. Controlling overgrazing
84. One of the following is the principal issues in the modern geographic research?
- A. Location of place and people
 - B. Why some people are dark skinned while others light?
 - C. Is world round?
 - D. Spatial and temporal distribution of things

85. The plateau of Arsi is very suitable for farming in Ethiopia due to their:
- A. Comparatively low erosion
 - B. Flat terrain
 - C. Its nearness to Addis Ababa
 - D. High rainfall
86. Which one of the following is included under south-Eastern high lands of the horn?
- A. Plateau of Tigray
 - B. Plateau of Sidama
 - C. Plateau of Shewa
 - D. Plateau of Eritrea
87. Which one of the following is different from others?
- A. Latitude
 - B. Cloud cover
 - C. Temperature
 - D. Altitude
88. Which one of the following mountain is different from the other?
- A. Killimanjaro
 - B. Ras Dejene
 - C. Atlas
 - D. Cameroon
89. Soils that are associated with river, sea and lake deposits are called_____.
- A. Fluvisols
 - B. Regosols
 - C. Xerosols
 - D. Nithosols
90. Mountain KOLO is found in:
- A. Lasta
 - B. Tigray
 - C. Gondar
 - D. Assosa
91. Which one of the following is a human made factor that accelerates soil erosion?
- A. Steepness of slope
 - B. Topography
 - C. Heavy rain
 - D. Deforestation
92. Which one of the following is **NOT** the feature of river in its upper course?
- A. The presence of waterfalls, rapids and cataracts.
 - B. The development of deep narrow valley with V-shapes.
 - C. The river flows slowly due to gentler slope.
 - D. The presence of fast-flowing of rivers due to steep gradient.

93. The largest and widest part of the Ethiopian rift valley system is called_____.
- | | |
|------------------|--------------------|
| A. Lake Region | C. Chew Bahir rift |
| B. Afar triangle | D. Bale Massif |
94. One of the following geological events is an **incorrect** combination:
- | | |
|--------------------|---|
| A. Mesozoic era | → formation of marine sediments |
| B. Triassic period | → formation of Adigrat sandstone |
| C. Paleozoic era | → denudation and peneplanation |
| D. Tertiary period | → transgression and regression of the sea |
95. A weather system with a major impact over Ethiopia and the horn during June, July and August is:
- | | |
|---------------------------|---------------------------|
| A. North east trade winds | C. Equatorial easterlies |
| B. Equatorial westerlies | D. South east trade winds |

Items 96 – 100 are based on the map provided on the next page. These items should be Attempted by sighted (not visually impaired) candidates only.

96. Which of the following point is not intervisible?
- | | |
|------------|------------|
| A. D and B | C. H and F |
| B. H and R | D. E and J |
97. In which direction do the main river shown on the map flow?
- | | |
|-------------------|-------------------|
| A. North to South | C. South to North |
| B. East to West | D. West to East |
98. The point shown as 'E' on the map is an example of a_____.
- | | |
|---------------|------------|
| A. Tributary | C. Delta |
| B. Confluence | D. Estuary |

99. The map distance between 'H' and 'R' is 5cm, what is the crow flight between the two points?

A. 10KM

C. 100KM

B. 2KM

D. 1KM

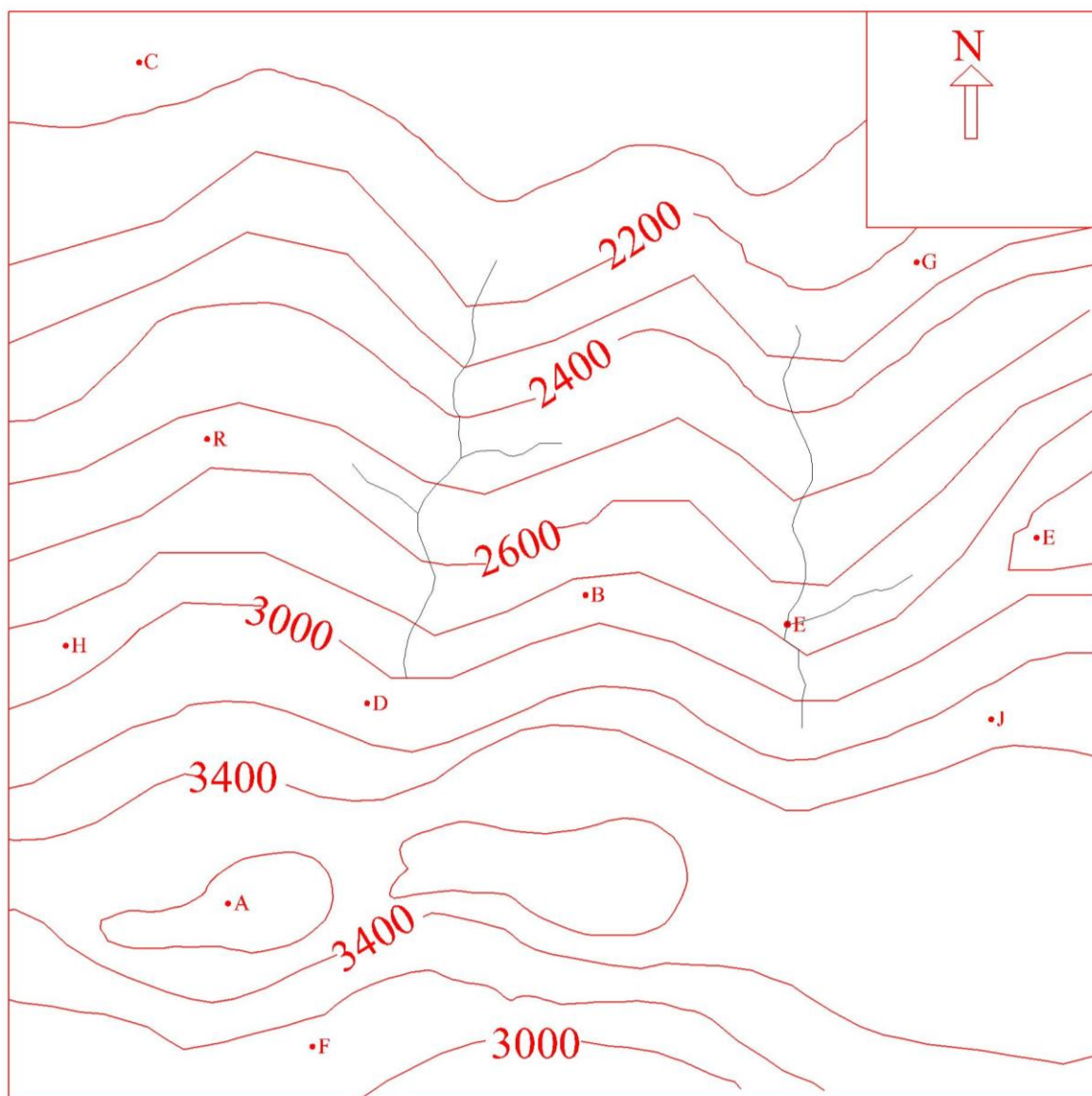
100. The peak of the mountain shown on the map is indicated by the point:

A. C

C. K

B. A

D. G



SCALE 1: 200,000

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

101. Which one of the following is a **non**-rift valley lake of Ethiopia
- | | |
|-------------|------------|
| A. Ziway | C. Langano |
| B. Hashenge | D. Chamo |
102. Which of the following event is the recent in geological history of Africa?
- | | |
|---------------------------------------|-----------------------------------|
| A. Pluvial rain | C. Formation of coal |
| B. Crystalline basement complex rocks | D. Formation of sedimentary rocks |
103. All of the following are a conservation measures of forest, **except**:
- A. Reforestation
 - B. Practicing agroforestry
 - C. Controlling burning practice
 - D. Overgrazing
104. Which of the following crops is associated with higher density of population in the northern high lands of Ethiopia
- | | |
|-----------|--------------|
| A. Enset | C. Cereals |
| B. Coffee | D. Vegetable |
105. A geographical point of view which argues that the physical environment of an area has a Decisive role for any change (development) is known as:
- | | |
|----------------|----------------------------|
| A. Possibilism | C. Behaviouralism |
| B. Determinism | D. Quantitative revolution |