

1. Which among the following questions of geographic character are TRUE with regard to a geographic study?
1. Genetic Questions that have to do with a sequence of events leading from past situations through geographic changes to the present situation.
  2. Theoretical Questions that deal with the formulation of empirical generalization and with method of drawing logical deductions
  3. Remedial Questions that use geographical concepts and skills to the study of economic, social or political problems
  4. Methodological Questions that have to do with experiments in new methods of study
- A) 1 & 3 only    B) 2 & 4 only    C) 1 & 4 only    D) 1, 2, 3 and 4
2. Blue Revolution is related to ----- production.
- A) Milk                      B) Agricultural    C) Fish                      D) Meat
3. The process by which the pixel values of digital satellite images are adjusted to improve the visual impact is known as:
- A) Image Rectification                      B) Image Enhancement  
C) Image transformation                      D) Image Classification
4. Match the following:
- | List I - Characteristics                                                                                            | List II - Drainage Pattern |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|
| a. Streams flow in the direction of general slope of the area and resembles the branch of a tree                    | 1. Centripetal             |
| b. Streams flow in different directions from a peak or dome                                                         | 2. Trellis                 |
| c. Primary tributaries of a stream flow parallel to each other and secondary tributaries join then at right angles. | 3. Dendritic               |
| d. When streams flow from all directions into a lake or depression                                                  | 4. Radial                  |
- A) a-3, b-4, c-2, d-1                      B) a-4, b-1, c-2, d-3  
C) a-2, b-1, c-4, d-3                      D) a-1, b-4, c-3, d-2
5. Which among the following characteristics of Atlantic Ocean are TRUE?
1. The ocean widens to the south of the equator and attains maximum width at 35°S
  2. It has extensive continental shelves, marginal and enclosed seas and hence the average depth of the ocean is comparatively less.
  3. East and west coasts are paralalled by chain of fold mountains.
  4. It has a mid-oceanic ridge which is a divergent plate boundary
- A) 1, 2 & 4 only    B) 2, 3 & 4 only    C) 1 & 4 only    D) 2 & 3 only

6. Identify the biome based on the characteristics given below:
1. Found in large areas of Africa, Australia and South America
  2. Warm hot climates and average annual rainfall between 500 mm-1250 mm.
  3. Porous soil with thin layer of humus
- A) Temperate Steppe                      B) Equatorial Forest  
C) Tropical Savannah                    D) Temperate Forest
7. The agricultural development programme which paved the way to an 'Adoption Breakthrough' for Green Revolution in India:
- A) Intensive Agricultural Development Programme (IADP)
  - B) On Farm Development (OFD)
  - C) High Yielding Variety Programme (HYVP)
  - D) Command Area Development Programme (CAD)
8. Who among the following defined Geography as a subject 'Concerned to provide accurate, orderly and rational description and interpretation of the variable characters of the Earth'?
- A) Hartshorn      B) Schaffer      C) Yeates      D) Taaffe
9. Identify the factor that Thomas Malthus did **not** consider for his theory:
- A) War              B) Famine              C) Diseases              D) Resources
10. The period considered as Plan Holiday Period for India's Five-Year Plans:
- A) 1961-1966      B) 1966-1969      C) 1971-1976      D) 1980-1985
11. The process by which one particular area of a country starts developing and human capital as well as physical capital move from other parts of the country gravitate towards the growth centre, is known as ----- effect.
- A) Gravity              B) Spread              C) Back Wash              D) Growth
12. How many million plus cities are there in India as per 2011 Census?
- A) 53                      B) 46                      C) 3                      D) 394
13. Which among the following categories of landuse are included in the 'Not available for cultivation' category of Govt. of India's landuse classification?
1. Cultivable wasteland
  2. Area under non-agricultural uses
  3. Barren and uncultivable land
  4. Forest
- A) 3 & 4 only      B) 1 & 4 only      C) 2 & 3 only      D) 1 & 2 only
14. Arrange the following States in descending order of area under coffee cultivation
1. Andhra Pradesh
  2. Kerala
  3. Tamil Nadu
  4. Karnataka
- A) 4, 2, 3, 1              B) 2, 4, 3, 1              C) 1, 3, 4, 2              D) 3, 2, 1, 4
15. The Betwa Canal is in:
- A) Punjab              B) Uttar Pradesh      C) Bihar              D) Haryana

16. Which Steel Plant in India specializes in making wheel and axils for Indian Railway?  
 A) Bokaro      B) Durgapur      C) Bhilai      D) IISCO
17. Which city is popularly known as the ‘Manchester of Tamil Nadu’?  
 A) Chennai      B) Erode      C) Salem      D) Coimbatore
18. State in India which has the largest percentage of National Highways among the road Networks:  
 A) Maharashtra      B) Uttar Pradesh  
 C) Karnataka      D) Telangana
19. Which of the following districts in Kerala have deposits of iron ore?  
 1. Wayanad      2. Kozhikode      3. Malappuram      4. Kollam  
 A) 1 & 4 only      B) 1 & 3 only      C) 2 & 3 only      D) 3 & 4 only
20. The State in India with no railway connectivity:  
 A) Meghalaya      B) Sikkim      C) Manipur      D) Tripura
21. The district with lowest population density in India:  
 A) Lahul & Spity in Himachal Pradesh  
 B) North Sikkim  
 C) Tawang in Arunachal Pradesh  
 D) Senapati in Manipur
22. The geostationary satellites will have an orbital period of ----- hours.  
 A) 30      B) 10      C) 24      D) 72
23. GLONASS is ----- navigation satellite system.  
 A) China’s      B) India’s      C) USA’s      D) Russia’s
24. The organization of Govt. of India which was replaced by NITI AYOG in 2015:  
 A) Income Tax Dept.      B) Revenue Dept.  
 C) Planning Commission      D) Dept. of Expenditure
25. ----- line is the line used to clearly delineate the map content from the edge of the paper:  
 A) Neat      B) Outer      C) Frame      D) Inset
26. The heat transfer through the horizontal movement of air:  
 A) Convection      B) Conduction      C) Subduction      D) Advection
27. As per the Von Thunen’s Agricultural Landuse Model, the landuse in the outer most ring is:  
 A) Ranching      B) Intensive Farming and Dairying  
 C) Forest      D) Truck Gardening
28. Which among the following are **not** GIS software?  
 1. MapInfo      2. CorelDraw      3. Oracle      4. GRASS  
 A) 2 & 3 only      B) 1 & 4 only      C) 2 only      D) 3 only

29. The theory about the origin of the Earth which is popularly known as the 'Hit and Run Theory':  
 A) Chamberlain and Moulton's Theory  
 B) Jeans & Jeffrey's Theory  
 C) Rossgun's Theory  
 D) Laplace's Theory
30. The Albatross Plateau is in:  
 A) The USA  
 B) East Pacific Ocean  
 C) North Pacific Ocean  
 D) Russia
31. The line on a map, joining places having equal transportation cost:  
 A) Isotim  
 B) Isohyte  
 C) Isoline  
 D) Isodopane
32. The least populous country in the world:  
 A) Vatican City  
 B) Maldives  
 C) Luxemburg  
 D) Suriname
33. As per R P Misra's Growth Foci Concept, a Growth Pole occurs at----- level.  
 A) Regional  
 B) Local  
 C) Sub-Regional  
 D) National
34. Assertion A: As per Edward Ackerman's Population Resource Regions, the rapid economic development has caused irreparable damage to the habitat due to the destructive manner by which the people of these low population-resource ratio region used their own resources.  
 Reason R: The territories are small; resources are limited and populations are large.
- A) A is true but R is not the exact reason for A.  
 B) A is false but R is true  
 C) A is true and R is the exact reason for A.  
 D) Both A and R are false
35. The time interval between two successive wave crests or troughs as they pass a fixed point is known as:  
 A) Wave Period  
 B) Wave Frequency  
 C) Wave Amplitude  
 D) Wave Speed
36. The letter code 'Am' as per Koeppen's Climatic Classification refers to ----- climate.  
 A) Tropical Wet and Dry  
 B) Sub-tropical Steppe  
 C) Humid Sub-Tropical  
 D) Tropical Monsoon
37. Which among the following are FALSE with regard to the factors associated with Whittlesey's Classification of agricultural regions of the world?  
 1. Crop and Livestock Association  
 2. Location of Markets  
 3. Labour and Capital Intensity  
 4. Consumption Pattern of Production
- A) 1 & 4 only  
 B) 2 only  
 C) 1 & 3 only  
 D) 4 only

38. As per the Census of India criteria, the population size of Mega Cities would be more than ----- million.  
 A) 1                      B) 10                      C) 5                      D) 100
39. Which of the following landuse characteristics of urban fringe are TRUE?  
 1. Residential expansion here is rapid  
 2. Small farms with intensive crop production  
 3. Concentration of high-rise buildings  
 4. Continuous change of landuse types  
 A) 1 & 4 only    B) 2 & 3 only    C) 3 only    D) 1, 2 & 4 only
40. The minimum population needed to make a service viable at a particular place, according to Christaller's Central Place Theory, is known as ----- population.  
 A) Range of    B) Optimum    C) Threshold    D) Required
41. How many times does Spring Tides occur in month?  
 A) 4 times    B) Daily    C) 8 times    D) 2 times
42. Which among the following is Greenhouse Gas?  
 A) Argon                      B) Nitrous Oxide  
 C) Helium                      D) Krypton
43. Following are the characteristic of biodiversity conservation. Identify the relevant ones with regard to In-Situ Conservation.  
 1. Animals and plants are provided with longer time for breeding activity  
 2. Species bred in captivity are re-introduced into the wild  
 3. Conservation of species is done within their natural habitat  
 4. Large number of living organisms can be simultaneously conserved.  
 A) 3 & 4 only    B) 2 & 3 only    C) 1 & 4 only    D) 1 & 2 only
44. Which among the following characteristics represent an orthomorphic projection?  
 1. Area is maintained relatively accurately  
 2. Scale along the parallels and meridians are same when they intersect at right angle  
 3. Scale is correct only along certain parallels and meridians  
 4. Preserves the direction correctly  
 A) 1 & 3 only    B) 2 only    C) 4 only    D) 3 only
45. ----- is known as the Father of Geography.  
 A) Anaximander                      B) Aristotle  
 C) Hippocrates                      D) Eratosthenes
46. The Torrid Zone of the Earth lies between:  
 A) Tropic of Cancer and Tropic of Capricorn  
 B) Tropic of Cancer and Arctic Circle  
 C) Tropic of Capricorn and Antarctic Circle  
 D) Arctic Circle and North Pole

47. Which among the following is an example of Cultural Artifact?  
 A) Pottery Vessels                      B) Family Structure  
 C) Religion                                D) Language
48. Identify the Aeolian Erosional landform:  
 A) Barchans      B) Zeugan      C) Stalactite      D) Drumlins
49. As per the Plate Tectonics Theory the Himalayan orogenesis is the result of:  
 A) Convergence of two oceanic plates  
 B) Convergence of an oceanic and continental plates  
 C) Convergence of two continental plates  
 D) Continent Arc collision
50. The comprehensive plan of action put forwarded in Rio Earth Summit in 1992, to be taken globally, nationally and locally by organizations of UN Systems, governments and major groups in every area in which humans impact on the environment, is known as AGENDA -----.  
 A) 12                      B) 21                      C) 41                      D) 61
51. Which among the following animals are listed in the Endangered Species in the IUCN Red List?  
 1. Lion-Tailed Macaque    2. Asiatic Lion    3. Wild Boar    4. Chital  
 A) 1 & 2 only    B) 3 & 4 only    C) 1 & 3 only    D) 2 & 4 only
52. Which among the following characteristics are TRUE with regard to Humid Sub- Tropical Climate (Cfa) as per Koeppen's Climatic Classification?  
 1. Lies on the eastern parts of continents in the sub-tropical latitudes  
 2. Borders with dry climates on the western parts of the continents  
 3. Thunder storms in summer and frontal precipitation in winter are common  
 4. The wet season is shortest and dry season is longer with pronounced draught  
 A) 1 & 4 only    B) 2 & 4 only    C) 2 & 3 only    D) 1 & 3 only
53. The most recent remote sensing satellite launched by India:  
 A) Cartosat-3    B) IRNSS-4    C) EOS-4    D) RISAT 2-B
54. The cool season fruits and vegetables are cultivated in:  
 A) Vazhakkulam                      B) Kanthalloor  
 C) Panniyur                              D) Pilicode
55. Based on which city did E. M. Burgess put forward the Concentric Ring Model?  
 A) New York    B) Chicago    C) Miami    D) California
56. Dalhousie is an example of:.  
 A) Collection Centre                      B) Cultural Centre  
 C) Defence Town                              D) Resort Town

57. Identify the ocean current based on its features given below.
1. It's a cold current that flows through the coastal waters of Newfoundland and Grand Bank
  2. It brings large number of icebergs.
  3. Dense fogs are produced near Newfoundland
- A) Labrador Current                      B) Oyashio Current  
C) California Current                    D) Falkland Current
58. The amount of solar radiation reflected by the surface of the earth is known as:
- A) Insolation                                B) Reflected radiation  
C) Albedo                                      D) Inversion
59. The ideal population which combined with available resources yielding maximum income per head, is known as ----- population.
- A) Adequate      B) Optimum      C) Over              D) Under
60. Which among the following models are used as base for Growth Foci model?
1. Central Place Model                      2. Growth Pole Model
  3. Spatial Diffusion Model                  4. Gravity Model
- A) 1, 2 & 3 only      B) 2 & 4 only      C) 1 & 4 only      D) 2 & 3 only
61. -----Five year plan was the last implemented Five Year Plan of India.
- A) 10<sup>th</sup>                      B) 11<sup>th</sup>                      C) 12<sup>th</sup>                      D) 13<sup>th</sup>
62. The district in Kerala which has the least area under forest:
- A) Thiruvananthapuram                      B) Kollam  
C) Alappuzha                                      D) Malappuram
63. An example of active remote sensing sensor:
- A) LiDAR                      B) LISS-IV                      C) MSS                      D) HRV
64. Match the following
- |                            |                           |
|----------------------------|---------------------------|
| List I - Economic Activity | List II- Workers Known As |
| a. Primary                 | 1. Pink Collar Workers    |
| b. Secondary               | 2. White Collar Workers   |
| c. Tertiary                | 3. Red Collar Workers     |
| d. Quaternary              | 4. Blue Collar Workers    |
- A) a-3, b-4, c-1, d-2                      B) a-4, b-1, c-3, d-2  
C) a-2, b-3, c-4, d-1                      D) a-1, b-4, c-2, d-3
65. First attempt to spell out the Laws of Migration was done by:
- A) W. G. Reilly                                      B) E. G. Ravenstein  
C) S. A. Scaffer                                      D) E. Lee

66. Myrdal's Model of regional planning is popularly known as model of -----.
- Polarization and Trickle Down
  - Centro-Periphery
  - Circular and Cumulative Causation
  - Growth of Foci
67. Urban Agglomeration as per Census of India refers to
- All places with a municipality, corporation, cantonment board or notified towns
  - A viable unit such as a village contiguous to a statutory town and possesses urban features in terms of infrastructure and amenities
  - Contiguous urban spread constituting a town and its adjoining urban outgrowth or two or more physically continuous towns together with any adjoining urban outgrowths of such towns
  - Places that satisfy specific criteria put forwarded by Census of India
68. An aerial photograph which has been corrected for any geometric distortion is known as:
- Topophoto
  - Sterophoto
  - Geometric photo
  - Orthophoto
69. The process of finding corresponding disjointed features along the bordering common boundary between two map sheets in a GIS is known as
- Rubber sheeting
  - Buffering
  - Edge Enhancement
  - Edge Matching
70. The term 'stop-and-go determinism' was coined by:
- Griffith Taylor
  - Fredrich Ratzel
  - Ellsworth Huntington
  - Robert Mill
71. Which among the following is **not** a part of National Action Plan on Climate Change (NAPCC)?
- National Solar Mission
  - National Mission for Sustainable Habitat
  - Jawaharlal Nehru Urban Renewal Mission
  - National Water Mission
72. Which among the following is **not** a characteristic of a CBD?
- Extremely high land value
  - Lack of open and green space
  - It's a node of transportation network
  - Presence of high class luxurious residential apartments
73. Shevroy Hills are located in:
- Himachal Pradesh
  - Tamil Nadu
  - Assam
  - Andhra Pradesh
74. The theory that 'urban landuse types tend to cluster together when they begin to extend outward from the city centre along the lines of communication' was postulated by:
- Homer Hoyt
  - E. M. Burgess
  - Harris & Ullman
  - Thomas Lillesand



75. River Ganga is an example of ----- drainage.
- |                 |               |
|-----------------|---------------|
| A) Subsequent   | B) Consequent |
| C) Superimposed | D) Antecedent |
76. Government of India's DDUGJY programme is aimed at:
- |                         |                          |
|-------------------------|--------------------------|
| A) Urban Housing        | B) Rural Electrification |
| C) Urban Transportation | D) Inland Fisheries      |
77. Well and tube well irrigation is predominant in:
- |                   |                   |
|-------------------|-------------------|
| A) Tamil Nadu     | B) Uttar Pradesh  |
| C) Madhya Pradesh | D) Andhra Pradesh |
78. The share of forest in Kerala as per the latest landuse statistics is:
- |          |           |          |           |
|----------|-----------|----------|-----------|
| A) 32.3% | B) 11.88% | C) 42.3% | D) 27.83% |
|----------|-----------|----------|-----------|
79. ----- space is the space in a map layout that does **not** contain any of the map elements.
- |             |             |          |         |
|-------------|-------------|----------|---------|
| A) Negative | B) Positive | C) Blank | D) Zero |
|-------------|-------------|----------|---------|
80. Heartland Theory was put forwarded by
- |            |            |              |            |
|------------|------------|--------------|------------|
| A) Spykman | B) Chorley | C) Mackinder | D) Mumford |
|------------|------------|--------------|------------|
81. The characteristics of Silty Soil are:
- They are made up of fine particles and are well drained with high moisture retention capacity.
  - They are light and dry and tend to be acidic. They are low in nutrients and drains water quickly.
  - They can be easily compacted and are prone to washing away with rain
  - They are dark in colour, acidic in nature and high in organic matter but low in nutrients
- |             |             |             |             |
|-------------|-------------|-------------|-------------|
| A) 1&3 only | B) 2&4 only | C) 1&4 only | D) 2&3 only |
|-------------|-------------|-------------|-------------|
82. An example of ubiquitous resource:
- |         |           |              |         |
|---------|-----------|--------------|---------|
| A) Gold | B) Forest | C) Petroleum | D) Land |
|---------|-----------|--------------|---------|
83. Following are some of the major industrial regions of the world. Find out the correctly matched ones.
- | Industrial Regions | Country        | Major Industries                   |
|--------------------|----------------|------------------------------------|
| 1. New England     | United Kingdom | Petrochemicals                     |
| 2. Leipzig         | Germany        | Optical instruments, leather goods |
| 3. Lorrain         | France         | Iron and Steel                     |
| 4. South Wales     | Australia      | Electrical machinery               |
- |               |               |           |           |
|---------------|---------------|-----------|-----------|
| A) 1 & 4 only | B) 2 & 3 only | C) 1 only | D) 2 only |
|---------------|---------------|-----------|-----------|
84. Livestock ranching is mainly practiced in
- |                         |                           |
|-------------------------|---------------------------|
| A) Temperate Grasslands | B) Tropical Grasslands    |
| C) Tropical Savannah    | D) Mediterranean Regions. |

85. The first synchronous Census of India was started in:  
 A) 1872                      B) 1865                      C) 1881                      D) 1911
86. Which among the following attributes of regions is FALSE?  
 A) Regions have boundaries  
 B) Regions are not hierarchically arranged  
 C) Regions have location  
 D) Regions have spatial extent
87. Which among the following is **not** a Mega City as per 2011 Census?  
 A) Mumbai                  B) Delhi                      C) Kolkata                  D) Chennai
88. Identify the country known as Buffer State.  
 A) Nepal                      B) Bangladesh              C) Bhutan                      D) Pakistan
89. Match the following:  
 List I -Biodiversity Hotspots                      List II- Country  
 a. Cape Floristic Region                      1. French Overseas Territory  
 b. New Caledonia                                  2. Indonesia  
 c. Wallacea                                          3. Brazil  
 d. Cerrado                                              4. South Africa
- A) a-4, b-1, c-2, d-3                      B) a-3, b-2, c-1, d-4  
 C) a-2, b-4, c-3, d-1                      D) a-1, b-2, c-4, d-3
90. Which among the following assumptions made by Weber for his Industrial Location Theory are TRUE?  
 1. There should be isotropic surface  
 2. There should be multiple mode of transportation  
 3. Manufacturing involves a single product and is supplied to a single market  
 4. The demand and price of products at various markets should be different
- A) 1&4 only                  B) 1&3 only                  C) 2&4 only                  D) 3&4 only
91. Millets and Oilseeds Agricultural Region in India is found in:  
 A) Western Rajasthan and Eastern Gujarat  
 B) Deccan Plateau Region  
 C) Indo-Gangetic Plain  
 D) Karnataka Plateau, parts of Tamil Nadu, Andhra Pradesh and eastern Kerala
92. The State in India with highest share of ST population as per 2011 Census:  
 A) Meghalaya                      B) Nagaland  
 C) Mizoram                          D) Arunachal Pradesh
93. Albrecht Penk was a ----- Geographer.  
 A) French                      B) Russian                      C) German                      D) British



104. Match the following:
- |                    |                       |
|--------------------|-----------------------|
| List I             | List II               |
| a.Aristotle        | 1. Ankündigung        |
| b.Strabo           | 2. Meteorologica      |
| c.Immanuel Kant    | 3. Anthropogeographie |
| d.Friedrich Ratzel | 4. Geographica        |
- A) a-2, b-4, c-1 d-3                      B) a-4, b-1, c-2, d-3  
C) a-3, b-1, c-4, d-2                      D) a-1, b-3,c-2, d-4
105. The native people of Hawaii belong to which human race?  
A) Polynesian    B) Malayan    C) Hamites    D) Aborgins
106. The Theory of Pediplanation is put forwarded by:  
A) W. M. Davis    B) L. C. King    C) Walter Penk    D) W. D. Morgan
107. Which among the following are high level clouds?  
A) Cirrocumulus    B) Altostratus    C) Cirrus    D) Cumulonimbus
108. The area of the surface of the earth imaged by a satellite sensor is known as:  
A) Nadir                      B) Overlap area  
C) Swath                      D) Principle area
109. The term 'ecumene' refers to:  
A) Permanently inhabited area of the surface of the earth  
B) Permanently uninhabited area of the surface of the earth  
C) Mining areas  
D) Cultivated areas
110. Atmospheric Windows are a range of wave lengths over which:  
A) There is relatively little absorption of radiation by the atmospheric gases  
B) There is relatively little reflectance of radiation in the atmosphere  
C) All the radiations of the spectrum are absorbed  
D) Specified wave lengths of spectrum are scattered
111. The instrument used for mapping from aerial photographs is:  
A) Stereoscope                      B) Stereograph  
C) Spectrometer                      D) Spectrophotometer
112. A set of rules that defines how point, line and polygon features share coincident geometry in GIS is known as:  
A) Toponymy                      B) Topography  
C) Topology                      D) Feature Class
113. The belief that most human activities can be explained as a response to the natural environment is known as:  
A) Environmental determinism    B) Determinism  
C) Possibilism                      D) Humanism

114. The author of 'Locational Analysis in Geography':  
 A) Peter Haggett                      B) David Harvey  
 C) Richard Chorley                  D) Walter Christaller
115. Who among the following is one of the proponents of Environmental Determinism?  
 A) Carl Ritter                          B) Ellen Churchill Semple  
 C) Vidal de la Blache                D) O.H.K. Spate
116. Corries are developed by:  
 A) Rivers                      B) Wind                      C) Waves                      D) Glaciers
117. Assertion A: The effect of latitude on a global scale is well pronounced as isotherms generally, run parallel to the latitude. The deviation from this general trend is more obvious in the month of January, especially in the northern hemisphere. Isotherms deviate to the north over oceans and south over the continents.  
 Reason R: Land surface area is much larger in the northern hemisphere than in the southern hemisphere
- A) A & R are true and R is the correct reason for A  
 B) A & R are true but R is not the correct reason for A  
 C) A is true but R is false  
 D) A is false but R is true
118. Rabi Crop Season in India is between the months of:  
 A) October to March                  B) July to September  
 C) March to July                        D) January to March
119. Two places are located at a distance of 2.5 kms on the surface of the earth. They are represented on a map at a distance of 10 cm. What would be the scale of the given map?  
 A) 1:25,000                      B) 1:50,000                      C) 1:100,000                      D) 1:250,000
120. On which place did Coppock made his study making modifications to Weaver's method of crop combination analysis:  
 A) American Middle West              B) Germany & Spain  
 C) France & Italy                        D) England & Wales
-