Subject: Geography CBCS (HONS)

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Semester: VI

CC: 13T

Shubhria Chandria Semesteri - (VI) (Hors.) Paperi - C13T

UNIT 11: Foundations of Modern Geography and Recent Triends.

2. Contribution of Humboldt and Ritter

The real march for geography began in the 19th Century. After the Great Age of Discovery two leading German geographers - Alexander von Humboldt and Carl Riller made valuable contributions in the field of basic sciences. This age again came to be known as classical age, and they are referred to as the founders of Modern Geography.

ALEXANDER VON HUMBOLDT (1769 - 1859)

He was a multi-vided genius. He was much impressed by the to literary and scientific developments of early century. He undextook works in physics, chemistry, bolary, geology, physiology, history and geography. He accompanied Fortsler on his journey. He travelled about 40,000 miles and made various observations. He performed all journeys with telescope, sextant, cynometers (for measuring blueness of sky) and barometers. He measured the temperature of air and ground, pressure, winds, latitudes, longitudes, elevations above the sea level, magnetic vibrations, nature

of rocks, types of plants and their relation to climate, altitude band human altitudes.

Humboldts Concept of Geography -

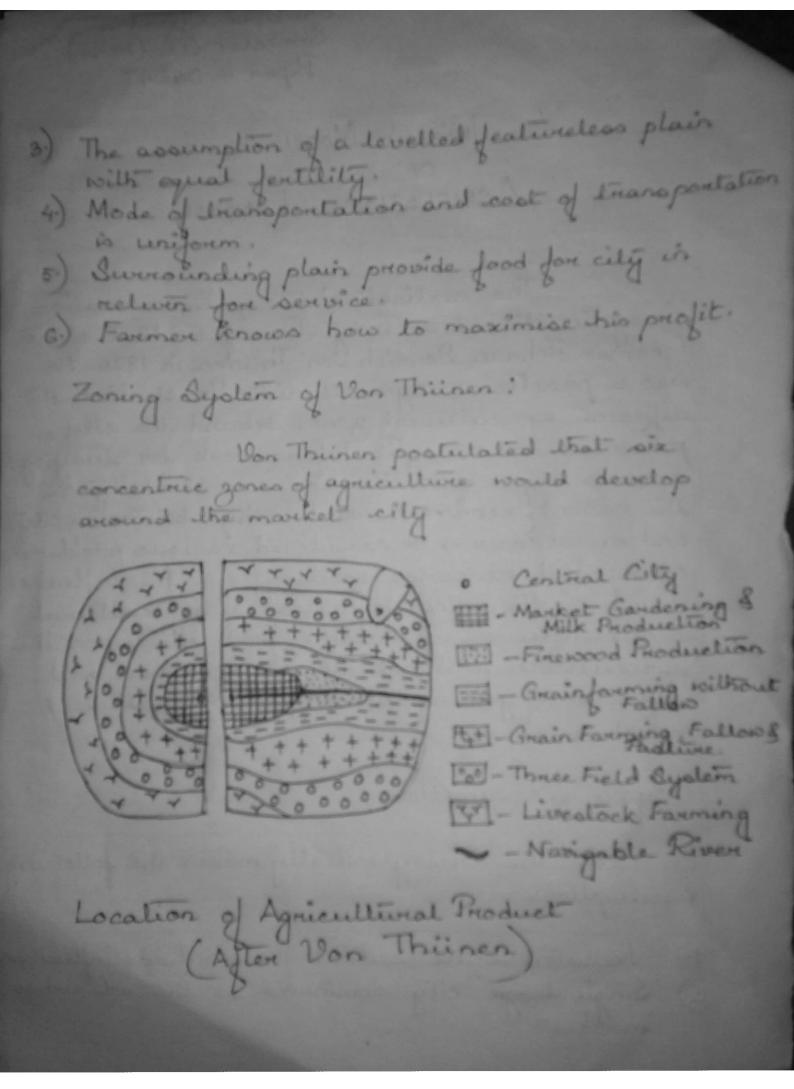
- 1.) Earth Surface as the Home of man' He was of the concept that the earth is an inseperable organic whole and he was concerned with the areal association of natural and organic phenomena.
- 2.) Geography is the science of spatial distribution of phenomena of the world.
- 3) General geography is physical geography. which deals with the interrelationship of phenomena that exist together on the terrestrial part.
- 4) Humboldt presumed the concept of unity of nature as a causal interrelation of all the individual features in nature. He studied the phenomena in order to establish the
- 5.) Humboldt believed in the inductive method and emphasised the importance of empirical method of research.

CARL RITTER (1779 - 1859) Carl Riller, a scholar of diversified interest à also known as one of the founders of modern geographical thought. He was a dedicated field worker and believed in empirical research. He studied geography, history, pedagogy, physics, chemistry, mineralogy and botany. He was a professor of geography in the University of Berline He differed from Humboldt in that whereas Humboldt gathered his knowledge by explorations, he gathered his knowledge and views without it Works of Riller 6 maps of Europe Geography of Europe - II Essays on methodology Publication of Endkunde Publication of 19 volumes of Endkunde. Ritters Philosophy. 1) He was a determinist and according to him, " The earth and its inhabitant stand in the closest reciprocal relation and one cannot be truely presented in all its relationships without 34

- 2) He completely rejected the concept of neine geography. Describing to him, the landscape of arry place is the interrelationship of climate, vegetation and human being.
- 3) He organised the concept of relationship in space.
- 4) He adopted man-centred geographical viewpoint, i.e. antinopocentrical point of view.
- 5.) The concept of regional individuality and whole was the main aim of his back, Endkunde.
- 6) The scientific stance of Ritter was teleslogical, and his views of science sprang from his firm belief in God as the planner of the wineerse.
 - 7) He adopted regional study.
- Reference:
 1) Fundamentals of Geographical Thought Budeepla
 Adhikari
- 2) Evolution of Geographical Thought Majid Hussain

Shubbra Chandra Semester - NI (Hors) Paper - DSE4T VON THÜNEN'S MODEL

OF:
AGRICULTURAL LANDUSE The earliest of the spatial variation in agricultural activity theory is that of the German Johann Henrich Von Triinen in 1826. He was a practising agriculturust. He studied the different agricultivial zones around the city, presented an analytical framework for studying various lypes of cultivation around a city on the basis of economic relationship between a city and revial Pareas; He considered various problems on spatial exchange economy e.g. the influence of city on the price formation of agricultural goods, influence of distance from city upon the agriculture and net income of farmers and influences of growing cities upon the cultivated reveal areas. Basic Assumptions The theory initially makes the following assumptions: -1.) Isolated state, culout from outside influences 2.) Single large city dominales as the sole whan market.



Zone-1- The land nearest to the market would be resed to produce perishable ilems, e.g. milk and regelable. These activities are concentrated in the inner zone because of the slowness of transportation and absence of refrigeration. Zone - 2 - The inhabitant of second concentric gone. finewood in much greater demand than timber. Zone 3,485 - These areas would lend to be devoted mainly to grains and other snops. The distinction among these gones need not be spelled out here, except to note that with distance from the city, the intensity of cultivation would decrease. Zone-6-This would be the region of livestock farming. Modification - Von Thiner Steery would be modified a smaller market city. The river would provide cheaper transportation, hence its effect would be to lengthen out the zone along its course. The smaller city would serve zones around itself on a smaller scale than those around the larger city and extending further on the side away from the main city.