

**DELHI PUBLIC SCHOOL, JAMMU**  
**SESSION: (2020-2021)**  
**FOUNDATION WORKSHEET**

**SUBJECT: GEOGRAPHY**

**CLASS: XII**

**TOPIC: The World Population (Distribution, Density and Growth)**

**Gist of the Lesson:**

General, patterns of population distribution in the world, density of population, factors influencing the distribution of population, population growth, trends in population growth, doubling time of world population spatial pattern of population change, impact of population change, demographic transition, population control measures.

**General:**

- People are real wealth of the country
  - Country is known by its people
  - Pop of the world is uneven
- “Asia has many people where people are few and few places where people are very

many”. **Patterns of Population Distribution**

- Population Distribution refers to “the way the people are spaced over the earth surface”.
- 90 % of people are living in 10% of its land. 10 most popular countries (China, India, USA, Indonesia, Brazil, Pakistan
- Cis Bangladesh Japan and Nigeria) contribute 60% of population.

**Density of population:**

**Ratio between land and people,**      Population  
Measured in persons per SQ. km Density =  $\frac{\text{Population}}{\text{area}}$

- High Density Areas: (more than 200persons/sq km) NE USA, NW Europe, S, SE, and E Asia •
- Low Density Areas (less the 1 person / sq km) hot and cold deserts, low latitude areas
- Medium Density: (11-50 persons /sq.km) other than above two areas

**Factors influencing the distribution of population**

- **Geographical Factors**
  - (a) Availability of water,
  - (b) land forms,
  - (c) climate,
  - (d) soils
- **Economic Factors**
  - (a) Minerals,
  - (b) urbanization,
  - (c) industrialization
- **Social and cultural factors**
  - (a) Religious factors,
  - (b) social and political unrest,

(c) border terrorism

(d) govt. policies

**Population Growth:** Change in number of persons of a place during a specific period of time it may be positive or negative. It may be represented in absolute numbers /percentage Change in population.

**Basic Concepts Are:**

- Growth of population,
- Growth rate of population,
- Natural growth of population,
- Positive growth of population
- Negative growth of population.

**Componentsof Population Change**

- Birth rate,
- Death Rate,
- Growth Rate,
- Migration

Crude Birth Rate: number of live births in a year per thousands of women

$$CBR = \frac{Bi}{P} \times 1000$$

CBR= Crude birth rate

Bi: live births P = mid-year population

CDR=Numberof deaths in a particular year per thousand population

$$CDR = \frac{D}{P} \times 1000$$

CDR= Crude death rate

D= No. of deaths

P= Estimated mid-year population

## Ch-2 The World Population

### QUESTIONS AND ANSWERS

1. Mention the names of areas where density of population is very low.
2. What phenomenon set the stage for the rapid growth of population in the world?
3. Name a mineral belt in Africa which has dense population?
4. Who are emigrants?
5. Write a short note on doubling time of world population.
6. Distinguish between Density of population and Physiological density.
7. Describe the uneven patterns of population distribution in the world.
8. Describe any three characteristics of the last stage of 'Demographic Transition Theory'.
9. Describe in brief five different types of areas of low density of population in the world.
10. On the political outline map of the world identify:
  - A. The country with lowest density of population in Asia.
  - B. Name the country with smallest population of Asia.
  - C. The country with highest growth rate of population in Asia,
  - D. The country with lowest growth rate of population (1995-2000) in Asia.



## Answer

1.
  - i. **Hot Deserts** - Sahara, Kalahari, Atacama and West Australia.
  - ii. **Extremely Cold Areas** - Northern Part of Canada, Greenland and Northern Part of Siberia.
  - iii. **Cold Deserts** - Areas of Central Asia.
  - iv. **Equatorial Region** - Amazon basin of South America and Zaire basin of Africa.
2. The expanding world trade during the sixteenth and seventeenth-century set the stage for rapid population growth.
3. A mineral belt in Africa which has dense population is Katanga -Zambia Copper belt.
4. Migrants who move out of a place are called Emigrants.
5. It took more than a million years for the human population to attain the one billion mark. But it took only 12 years for it to rise from 5 billion to 6 billion. Studies show that the doubling time of the world population is reducing fast.  
  
There is a great variation among regions in doubling their population. Developed countries are taking more time to double their population as compared to developing countries. Most of the population growth is taking place in the developing world, where population is exploding.
6. **Density of Population:** It refers to the ratio between number of people to the size of land in a country or simply "persons per unit area". It is usually measured in persons per sq km.

$$\text{Density of Population} = \frac{\text{Population}}{\text{Area}}$$

**Physiological Density:** It refers to the ratio between number of people to the size of cultivated land in a country. It is usually measured in persons per sq km.

$$\text{Physiological Density} = \frac{\text{Total Population}}{\text{Net Cultivated Area}}$$

7. At present, world population is more than 7 billion but it is unevenly distributed. There are areas where population density per sq. km is more than 10,000 persons while at other places it is less than 1 person. The remark given by George B. Cressey about the population of Asia is "Asia has many places where people are few and few places where people are very many." This statement is true as the world's population distribution is such that in 90% of the land area 10% of people live and in 10% of its land area 90% of people live.
- i. Generally, 90 per cent of the world population lives in about 10 per cent of its land area.
  - ii. The 10 most populous countries of the world contribute about 60 per cent of the world's population.
  - iii. Of these 10 countries, 6 are located in Asia.
8. Characteristics of the last stage of Demographic Transition Theory are as follows:
- i. In this stage both fertility and mortality decline.
  - ii. The population is either stable or grows slowly and economic conditions become strong.
  - iii. The population becomes urbanised, literate and has high technical know-how. Women's Status and education is found higher in comparison to other stages.
9. The population is unevenly distributed. The areas of different types of low density are as under:
- i. **Difficult terrains and mountains:** The areas including mountain ranges with steep slopes, rugged topography have the harsh climate do not attract population. Rocky surface, no soil and other problems also make them the regions of a very low density of population.
  - ii. **Hot deserts:** These are Sahara, Kalahari, Thar, etc. where a low density of population is found because of scanty rainfall and very hot days. These factors do not attract people to settle there. The density of the population is less than 10 people/sq. km.
  - iii. **Cold deserts:** These include the dry areas of Central Asia, Magnolia, and areas of Iran that have a low density of population. The extreme climate with scanty

rainfall and hard life restricted population. In these areas, the average density is between 0-3 persons/sq. km.

iv. **Extremely cold and polar areas:** In high latitudes around polar regions where snow and ice cover ground for the largest part of the year. Antarctica, a polar continent is total without any permanent inhabitant and the Tundra region around the North Pole have the negligible density of population.

v. **Dense forest areas:** Equatorial forests of Amazon and Zaire restrict people to settle therein. Extreme heat and humidity, marshy land surface and various diseases are the main obstacles for the people to settle there.

10. A. The country with the lowest density of population in Asia. ---  
B. Name the country with the smallest population of Asia. ----  
C. The country with the highest growth rate of population in Asia, ----  
D. The country with the lowest growth rate of population (1995-2000) in Asia. ----

