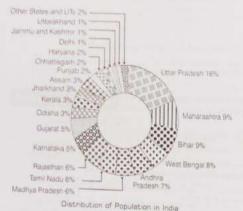
# Population are the markets's most validable resource. A well-talecated healthy population. Chapter Syllabus and sectors, they make resources and use them. is belief the consess provides us with the information relating to the population of our A cersor is an official enumeration (numbering) or population done penadically. Peculation crowth and The feet census in India (Partial) was done in 1872, but, the first complete census Previous of Population say taken in 1881. The census is done every ten years in India. The Indian census is acromic data. The three major aspects concerned about population are as follows: Size and Distribution of Population It refers to the total number of people in the Population Growth and Processes of Population Change It reters to how the population has grown and changed in its compensition in a period of time. Characteristics of Qualities of the Population. It refers to age, sevents, literacy inely, occupanional structure, health conditions of people Population Size and Distribution the arrangement or a spread of people of a country in different places is called Notation distribution. Size of population and its distribution can be studied by where numbers and population distribution according to the density. India's Population Size and Distribution by Numbers As per 2011 Census, population of India stood at 1,210.6 million, which is 17.5 per irms of the total world population. It is unevenly distributed over the country's vast area of 3.28 million sq.km, which is 2.4% of the world's area. is India. Urtar Pradesh with 199 million people has the highest population (about 16 per cent of the country's population) and Sikkim with 0.6 million people has the lowest population (about 0.05 per cent of the country's population).

- \* Almost half of India's population lives in just five states comprising Urrar Pradesh, Maharashtra, Bihar, West Beneal and Andhra Pradesh.
- \* Rajasthan which is the largest state in terms of area accounts for only 5.5 % of the total population of India.



India's share of world's area and population



## India's Population Distribution by Density

The number of people living per unit area (sq km) in an area (state or country) is called population density of that area.

After Bangladesh and Japan. India is the third most densely populated country.

India's population density in 2011 was 382 persons per sq km. Bihar has the highest density of 1102 persons per sq km and Arunachal Pradesh has the lowest density of 17 persons per sq km.

On the basis of population density whole country is divided

(i) High Population Density States These states are characterised by flat plains with fertile soils and abundant rainfall. For example, states of the

- Northern plains like Uttar Pradesh Bihar, West Bengal and Kerala in the South.
- (ii) Moderate Population Density States These states and characterised by hilly dissected and rocky nature of rerrain, moderate to low rainfall, shallow and less tertile soil For example, Assam in the North East and most of the Peninsular states such as Maharashtra. Andhra Pradesh and Karnataka.
- (113) Low Population Density States These states have loss population density below 250 persons per sq km These states are characterised by rugged terrain (mountainous and desert) and unfavourable climare conditions. For example, Arunachal Pradesh, Sikking lammu and Kashmir etc.

#### Check

- 1 The first complete census in India was held in the year ...
- 2 India accounts for ....... % of world's population.
- 1 The population density of India in 2011 was ........
- 4 Name a state of India having very high density of population.

## Population Growth and Processes of Population Change

The characteristics of population such as the number of people, distribution and composition change consistently.

## Population Growth

The change in the number of people of a country or state during a specific period of time is called growth of population.

Population growth is calculated at an interval of 10 years in India. The change in population growth can be expressed either in terms of absolute numbers of in terms of annual growth rate. These are discussed below

- \* Absolute Increase of Population It is the absolute number of people added each year or in each decade in the population. It is obtained by simply subtracting the earlier population (e.g. that of 2001) from the later population (e.g. that of 2011).
- · Annual Growth Rate of Population It is the rate at which the number of individuals in a population increase in an year as compared to the population of the previous year (base year). It is expressed in terms of per cent per annum. For example, a rate of increase of 2% per annum means that there was an increase of 2 persons for every 100 persons in the base population.

# population Growth in India Since independence

population

India's population has increased from 361 million in 1951 to 1210 million in 2011.

- sme the year 1981, the rate of growth of population agreed declining gradually (2.22% in 1981 to 2.16% in 1991 and 1 97% in 2001). During this period, the birth rates declined rapidly.
- Despite declining growth rate of population 182 million reople got added to the population from 1990-1999. This was the largest annual addition of people in Indian
- India has a very large population and even when a low annual rate is applied to a very large population, it still leads to a large increase in the number of people.
- Arthis growth rate, India may overtake China in 2045 to become the most populous country in the world.

## Processes of Population Change/Growth

The three processes that influence the change of population are birth rate, death rate and migration. The natural increase of population is determined by the difference between birth rates and death rates. It is also known as growth rate of population. The three processes we discussed below

#### Birth Rate

- 1 The number of live births per thousand persons in a year is called birth rate.
- · In India, birth rate has been always higher than the death

#### Death Rate

- \* The number of deaths per thousand persons in a year is called death rate.
- In India, there has been a rapid decline in death rates which led to increased rate of growth of the Indian

#### Trend of Population Growth Due to Birth Rate and Death Rate

- \* Till 1980, high birth rates and declining death rates
- resulted into high rate of population growth. Since 1981, due to government efforts and increased awareness, the birth rate also started to decline, resulting in gradual decline in the population growth rate.

#### Migration

- \* It is the movement of people across regions and terras stars
- \* The movement of people within the country (from one place to another) is called internal migration.
- · Internal migration does not change the population size of a country but it changes the population distribution of
- \* The movement of people from one country to other is called international migration.
- International migration changes population size of the country as well as population distribution.

#### Migration Pattern in India

- . In India, most of the migrations have been from rural areas to urban areas. This is due to the following factors
  - Push Factors These include poverty and unemployment in rural areas.
  - Pull Factors These include increased employment opportunities and better living conditions in urban-
- · Migration is also an important factor contributing to population change. It changes the population size.
- · It also changes the composition of population in urban and rural areas in terms of age and sex-composition.
- \* Rural-urban migration has resulted in a continuous increase in the percentage of population in cities and
- . The urban population has increased from 17.29% of the total population in 1951 to 31,80% in 2011.
- . There has been a significant increase in the number of million plus cities' from 35 to 53 in just one decade, i.e. from 2001 to 2011.

## **Check Point 02**

- 1 Population change is influenced by births, deaths and ...
- 2 Change in the number of inhabitants in a country during specific period is known as ......
- 3 What kind of migration takes place when a poor farmer from Bihar moves to Delhi in search of work?
- 4 Internal migration leads to change in the .......... of population in a country.

## Characteristics of the Population

The characteristics of population are determined by age composition, sex composition occupation structure, literacy levels and health conditions of the population.

1 Million plus cities Cities in India with population of one million (10 Lakh) or more included in this category.

#### Age Composition

The number of people in different age groups in a country is called its age composition. It is one of the most base characteristics of a population.

A person's needs and his/her capacity to perform is influenced by age composition.

The number and precessing of population to the following that any groups is respective to determining the social and common sensitive of a population.

#### Children (Generally below 15 years)

- They are account ally unproductive and used to be provided with food, clothing, education and medical car
- This group congrues of about 34.4% of the total population of India.

#### Working Age (15-59 years)

- They are nonementally and biologically reproductive.

  They comprise the working population.
- This group comprises of \$8.7% of the total population of linds.

#### Aged (Above 59 years)

- They can be economically productive though they may have retired.
- There may be according voluntarily but they are not available for employment through recruitment.
- This group comprises of 6.9% of the total population of India.

#### Sex Ratio

The sex ratio is the number of females per 1000 males in the population.

In India, see ratio his always been unfavourable to females due to reasons of tradition and unethical actions

The sex ratio is an important social andicator to measure the level of inequality between the males and females in a society at a given time.

As per Cennus 2011, weruge sex ratio for India is 943 females per 1000 males which was 946 in 1951. As per per 1000 males

Pudischerry has sex ratio of 1038 females for every 1000 males. Delhi has sex ratio of 866 females per 1000 males and Haryana has sex ratio of 877 females per 1000 males.

#### Literacy Rate

Assorting to Census 2011, person aged 7 years or allow, who can read and write with understanding, in any language, a treated as a literate.

The number of licentes as a percentage of total population determines the literacy rate of a country, theracy is an important quality of a population. If a count is literate, he she can make more intelligent choice and also organe in research and development for his her country. Low levels of literacy is a barrier for

Aithough there has been a regular increase in literacy rates in the country but, rural literacy still significantly lags behind urban literacy. Female literacy in the country is still lower than male literacy.

According to Census 2011, literacy rate in the country is (74.04%) female literacy rate is 64.6% and male literacy rate is 80.9%.

#### Occupational Structure

scowmic development of a country.

It is the distribution of population according to various types of occupation. The occupations are usually categorised into primary, secondary and tertiary occupations. These are discussed below

- Primary occupations are those which are based on the use
  of natural resources. These include agriculture, fishery,
  forestry, mining, quarrying, etc.
- Secondary occupations are those in which the extracted natural resources are processed into products for use. These include manufacturing, refining, building and construction, etc.
- Tertiary occupations are those which support the primary and secondary occupations by providing services. These administration, legal services, etc.
- The percentage of population that is engaged in any occupation and economically active is an important measure of development in a country.

# Pattern of Working Population

- The proportion of people working in different activities vary in developed and developing countries.
- The most of the population of developing countries are working in primary occupations, whereas the most of the population of developed countries are working in secondary and tertiary occupations.
- In India, about 64% of the total population is engaged in agriculture.

The proportion of population dependent upon secondary and entiry sector is 13% and 20%, respectively.

Our mindustrialisation and urbanisation in recent

par in industrialisation and urranneation in recent genes, a significant shift towards secondary and tertiary assignations has occurred.

#### realth

is an important component of population. It affects as process of development in a country.

life expectancy at birth<sup>1</sup> has improved from 36.7 years 1951 to 67.9 years in 2012.

the death rate has declined from 25 per 1000 persons a 1951 to 7.2 in 2011.

To improvements in healthcare is the result of

- · Improvement in public health
- · Prevention of infectious diseases
- · Modern medical practises to diagnose and treat ailments.

Depte these measures, healthcare and nutrition are still major

- Availability of safe drinking water and proper sanitation are major problems in rural areas and need urgent action. Only one-third of the rural population has these basic amenities.
- The level of nutrition and per capita calorie consumption is much below the recommended level.
- Malnutrition in children is still a problem of a large percentage of our population.
- These problems can be tackled and solved by an appropriate population policy.

# Adolescent Population

Adolescents are generally those people which are in the segroup of 10 to 19 years. They are the most important resource for the future.

In India, adolescents constitute a large percentage of population. The adolescent form about 20% of the total population of India.

The Nutritional requirements of adolescents are much higher than those of a normal child or adult.

In India, the diet available to adolescents is inadequate in most of the nutrients. Poor nutrition may led to deficiencies and stunted (inferior quality) growth among the adolescents.

Many adolescent girls suffer from anaemia. Awareness among adolescents can be improved through the spread of literacy and education.

### National Population Policy

Family planning is regarded as an important way to improve individual health and welfare. Therefore, the Government of India initiated a Family Planning Programme in 1952.

This program aimed at promoting responsible and planned parenthood on a voluntary basis. In the year 2000, the government formulated the National Population Policy (NPP 2000), which had the following major objectives

- Providing a policy framework for providing free and compulsory school education up to 14 years of age.
- Reducing infant mortality rate to below 30 per 1000 live births.
- Achieving universal immunisation of children against all vaccine preventable diseases.
- · Promoting delayed marriage for girls.
- · Making family welfare a people-centered programme.

#### NPP 2000 and Adolescents

 National Population Policy (NPP) 2000 has greater emphasis on the important needs of adolescents including nutritional requirements, and other important needs such as protection from unwanted pregnancies, Sexually Transmitted Diseases (STDs) and education about the risks of unprotected sex.

NPP 2000 focused on programmes that aim towards

- · encouraging delayed marriage and child bearing.
- making contraceptive services accessible and affordable.
- providing food supplements and nutritional services.
- strengthening legal measures to prevent child marriage, etc.

#### Check Point 03

- The adolescent population in India is ...... of the total population of the country.
- 2 Name two states where there are more females than the number of males.
- 1 Life expectancy at Birth in India is ..... years.
- 4 The first National Population Policy was launched in India in which year?

<sup>2</sup> Life expectancy at birth. The average number of years a newborn child is expected to live.

# SUMMARY

- People are the nation's most valuable resource. The people are important to develop the economy and society, they make
- \* In India, the census provides us with the information relating to the population of our country. A census is an official enumeration (numbering) of population done periodically
- \* As per 2011 census, population of India stood at 1,210, 6 million, which is 17.5 percent of the total world population.
- . Almost half of India's population lives in just five states comprising Uttar Pradesh, Maharashtra, Bihar, West Bengal and
- \* After Bangladesh and Japan, India is the third most densely
- India's population density in 2011 was 382 person per sq. km.
- . States of the northern plains like Uttar Pradesh, Bihar, West Bengal and Kerala in the South have high population density.
- \* Assam, in the North-East and most of the Peninsular states such as Maharashtra, Andhra Pradesh and Karnataka have moderate population density.
- \* Arunachal Pradesh, Sikkim, Jammu and Kashmir have low population density.
- . The change in the number of inhabitants of a country during a particular period of time is called growth of population.
- · Absolute increase of population is the absolute number of people added each year or in each decade in the population.
- Annual growth rate of population is the rate at which the number of individuals in a population increase in an year as compared to the population of the previous year (base year).
- \* The three processes that influence the change of population are birth rate, death rate and migration.
- \* The natural increase is determined by the difference between birth rates and death rates.

- . The number of deaths per thousand of persons per year is called
- . Migration is the movement of people across regions and beautiful
- . In India, most migration have been from rural to urban area due to
- . The number of people in different age group in a country as called a. age composition. Age composition includes three age prosps such Children (below 15 years), working age (15-59 years) and seed (above
- is an important social indicator to measure the level of in equality between males and females in a society at a given time.
- . As per census 2011, average sex-ratio for India is 943 femula per una males. As per census 2011, the sex ratio of Kerala is 1084 females to
- According to census 2011, a person of age 7 years or above who can well and write and understand in any one language is termed as literals
- . Occupational structure is the distribution of the population according to different types of occupation. The occupations are usually categorised as primary, secondary and tertiary occupations
- \* Health is an important component of population. It affects the process of development in a country. Life expectancy at birth has improved from 36.7 years in 1951 to 67.9 years in 2012.
- Adolescents are generally those people which are in the age count 10 to 19 years. The adolescent form about 20% of the total population
- Family planning is regarded as an important way to improve individual health and welfare. Therefore, the Government of India initiated a Family Planning Programme in 1952.
- National Population Policy (NPP) 2000 has greater emphasis on the important needs of adolescents.

## . The number of live birth per thousand persons per year is called has

# death rate.

# push and pull factors.

# . Sex ratio is the number of females per 1000 males in the population a

## On Page 59

Kerala has 1000 male every 1000 females pe 877 female such varia

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**NCERT FOLDER** 

#### On Page 54

- 1 What could be the reason of uneven distribution of population in India?
- Ans. The reason for this uneven distribution of population are
  - (i) Relief Mountains, deserts and plateaus are sparsely populated, due to rugged terrain and infertile soil. Plains are thickly populated due to flat features and availability of fertile soil.
  - (ii) Climate The region of high rainfall have very high population whereas regions of extreme climatic conditions like very cold, very hot and dry areas have sparse population.

#### On Page 56

3 Consider the following table

Year	Total Population (in millions)	Absolute Increase in the Decade (In million)	Annual Growth Rate (%)
1951	361.0	42.43	1.25
1961	439.2	78.15	1.96
1971	548.2	108.92	2.20
1981	683.3	135.17	2.22
1991	846.4	163.09	2.16
2001	1028.7	182.32	1.97
2011	1210.2	181.46	1.64