Human Settlement means cluster of dwellings of any type or size where human beings live. For this purpose, people may erect houses and other structures and command some area or territory as their economic support-base. Thus, the process of settlement inherently involves grouping of people and apportioning of territory as their resource base.

Settlements vary in size and type. They range from a hamlet to metropolitan cities. With size, the economic character and social structure of settlements changes and so do its ecology and technology. Settlements could be small and sparsely spaced; they may also be large and closely spaced. The sparsely located small settlements are called villages, specialising in agriculture or other primary activities. On the other hand, there are fewer but larger settlements which are termed as urban settlements specialising in secondary and tertiary activities. The basic differences between rural and urban settlements are as follows:

- The rural settlements derive their life support or basic economic needs from land-based primary economic activities, whereas, urban settlements, depend on processing of raw materials and manufacturing of finished goods on the one hand and a variety of services on the other.
- Cities act as nodes of economic growth, provide goods and services not only to urban dwellers but also to the people of the rural settlements in their hinterlands in return for food and raw materials. This functional relationship between the urban and rural settlements takes place through transport and communication network.
- Rural and urban settlements differ in terms of social relationship, attitude and outlook. Rural people are less mobile and therefore, social relations among them are intimate. In urban areas, on the other hand, way of life is complex and fast, and social relations are formal.

Types of Rural Settlement

Types of the settlement are determined by the extent of the built-up area and inter-house
distance. In India compact or clustered village
of a few hundred houses is a rather universal
feature, particularly in the northern plains.
However, there are several areas, which have
other forms of rural settlements. There are
various factors and conditions responsible for
having different types of rural settlements in
India. These include: (i) physical features –
nature of terrain, altitude, climate and
availability of water (ii) cultural and ethnic
factors – social structure, caste and religion
(iii) security factors – defence against thefts and
robberies. Rural settlements in India can
broadly be put into four types:
• Clustered, agglomerated or nucleated,
• Semi-clustered or fragmented,
• Hamleted, and
• Dispersed or isolated.

Clustered Settlements
The clustered rural settlement is a compact or
closely built up area of houses. In this type of
village the general living area is distinct and
separated from the surrounding farms, barns
and pastures. The closely built-up area and its

Fig. 4.1 : Clustered Settlements in the North-eastern states

interacting streets present some recognisable
pattern or geometric shape, such as
rectangular, radial, linear, etc. Such settlements
are generally found in fertile alluvial plains and
in the northeastern states. Sometimes, people
live in compact village for security or defence
reasons, such as in the Bundelkhand region of
central India and in Nagaland. In Rajasthan,
scarcity of water has necessitated compact
settlement for maximum utilisation of available
water resources.

Semi-Clustered Settlements
Semi-clustered or fragmented settlements may
result from tendency of clustering in a
restricted area of dispersed settlement. More
often such a pattern may also result from
segregation or fragmentation of a large compact
village. In this case, one or more sections of
the village society choose or is forced to live a
little away from the main cluster or village. In
such cases, generally, the land-owning and
dominant community occupies the central part
of the main village, whereas people of lower
strata of society and menial workers settle on
the outer flanks of the village. Such settlements
are widespread in the Gujarat plain and some
parts of Rajasthan.

Fig. 4.2 : Semi-clustered settlements

Hamleted Settlements
Sometimes settlement is fragmented into several
units physically separated from each other
bearing a common name. These units are locally
called panna, para, palli, nagla, dhani, etc. in
various parts of the country. This segmentation
of a large village is often motivated by social
and ethnic factors. Such villages are more
frequently found in the middle and lower Ganga
plain, Chhattisgarh and lower valleys of the
Himalayas.

Dispersed Settlements
Dispersed or isolated settlement pattern in India
appears in the form of isolated huts or hamlets
of few huts in remote jungles, or on small hills
Ancient Towns

There are numerous towns in India having historical background spanning over 2000 years. Most of them developed as religious and cultural centres. Varanasi is one of the important towns among these. Prayag (Allahabad), Pataliputra (Patna), Madurai are some other examples of ancient towns in the country.

Medieval Towns

About 100 of the existing towns have their roots in the medieval period. Most of them developed as headquarters of principalities and kingdoms. These are fort towns which came up on the ruins of ancient towns. Important among them are Delhi, Hyderabad, Jaipur, Lucknow, Agra and Nagpur.

Modern Towns

The British and other Europeans have developed a number of towns in India. Starting their foothold on coastal locations, they first developed some trading ports such as Surat, Daman, Goa, Pondicherry, etc. The British later consolidated their hold around three principal nodes – Mumbai (Bombay), Chennai (Madras), and Kolkata (Calcutta) – and built them in the British style. Rapidly extending their domination either directly or through control over the princely states, they established their administrative centres, hill-towns as summer resorts, and added new civil,

Urban Settlements

Unlike rural settlements, urban settlements are generally compact and larger in size. They are engaged in a variety of non-agricultural, economic and administrative functions. As mentioned earlier, cities are functionally linked to rural areas around them. Thus, exchange of goods and services is performed sometimes directly and sometimes through a series of market towns and cities. Thus, cities are connected directly as well as indirectly with the villages and also with each other. You can see the definition of towns in Chapter 10 of the book, “Fundamentals of Human Geography.”

Evolution of Towns in India

Towns flourished since prehistoric times in India. Even at the time of Indus valley civilisation, towns like Harappa and Mohanjodaro were in existence. The following period has witnessed evolution of towns. It continued with periodic ups and downs until the arrival of Europeans in India in the eighteenth century. On the basis of their evolution in different periods, Indian towns may be classified as:

• Ancient towns,
• Medieval towns, and
• Modern towns.
Fig. 4.5: India – Metropolitan Cities, 2001
Table 4.1 : India – Trends of Urbanisation 1901-2011

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Towns/UAs</th>
<th>Urban Population (in Thousands)</th>
<th>% of Total Population</th>
<th>Decennial Growth (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1901</td>
<td>1,827</td>
<td>25,851.9</td>
<td>10.84</td>
<td>—</td>
</tr>
<tr>
<td>1911</td>
<td>1,815</td>
<td>25,941.6</td>
<td>10.29</td>
<td>0.35</td>
</tr>
<tr>
<td>1921</td>
<td>1,949</td>
<td>28,086.2</td>
<td>11.18</td>
<td>8.27</td>
</tr>
<tr>
<td>1931</td>
<td>2,072</td>
<td>33,456.0</td>
<td>11.99</td>
<td>19.12</td>
</tr>
<tr>
<td>1941</td>
<td>2,250</td>
<td>44,153.3</td>
<td>13.86</td>
<td>31.97</td>
</tr>
<tr>
<td>1951</td>
<td>2,843</td>
<td>62,443.7</td>
<td>17.29</td>
<td>41.42</td>
</tr>
<tr>
<td>1961</td>
<td>3,265</td>
<td>78,936.6</td>
<td>17.97</td>
<td>26.41</td>
</tr>
<tr>
<td>1971</td>
<td>2,590</td>
<td>1,09,114</td>
<td>19.11</td>
<td>10.91</td>
</tr>
<tr>
<td>1981</td>
<td>3,378</td>
<td>1,59,463</td>
<td>23.34</td>
<td>46.14</td>
</tr>
<tr>
<td>1991</td>
<td>4,689</td>
<td>2,17,611</td>
<td>25.71</td>
<td>36.47</td>
</tr>
<tr>
<td>2001</td>
<td>5,161</td>
<td>2,85,355</td>
<td>27.78</td>
<td>31.13</td>
</tr>
<tr>
<td>2011*</td>
<td>7,935</td>
<td>3,77,000</td>
<td>31.16</td>
<td>31.08</td>
</tr>
</tbody>
</table>

*Source: Census of India, 2011 http://www.censusindia.gov.in (Provisional)

Urbanisation in India

The level of urbanisation is measured in terms of percentage of urban population to total population. The level of urbanisation in India in 2001 was 28 per cent, which is quite low in comparison to developed countries. Total urban population has increased eleven fold during twentieth century. Enlargement of urban centres and emergence of new towns have played a significant role in the growth of urban population and urbanisation in the country. (Table 4.1). But the growth rate of urbanisation has slowed down during last two decades.

Classification of Towns on the basis of Population Size

Census of India classifies urban centres into six classes as presented in Table 4.2. Urban centre with population of more than one lakh is called a city or class I town. Cities accommodating population size between one to five million are called metropolitan cities and more than five million are mega cities. Majority of metropolitan and mega cities are urban agglomerations. An urban agglomeration may consist of any one of the following three

Fig. 4.6 : India : Distribution of urban population (%), according to size class of urban centre — 2001
combinations: (i) a town and its adjoining urban outgrowths, (ii) two or more contiguous towns with or without their outgrowths, and (iii) a city and one or more adjoining towns with their outgrowths together forming a contiguous spread. Examples of urban outgrowth are railway colonies, university campus, port area, military cantonment, etc. located within the revenue limits of a village or villages contiguous to the town or city.

It is evident from Table 4.2 that more than 60 per cent of urban population in India lives in Class I towns. Out of 423 cities, 35 cities/urban agglomerations are metropolitan cities (Fig.4.6). Six of them are mega cities with population over five million each. More than one-fifth (21.0%) of urban population lives in these mega cities.

Among them, Greater Mumbai is the largest agglomeration with 16.4 million people. Kolkata, Delhi, Chennai, Bangalore and Hyderabad are other mega cities in the country.

### Functional Classification of Towns

Apart from their role as central or nodal places, many towns and cities perform specialised services. Some towns and cities specialise in certain functions and they are known for some specific activities, products or services. However, each town performs a number of functions. On the basis of dominant or specialised functions, Indian cities and towns can be broadly classified as follows:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>5161</td>
<td>285.35</td>
<td>100</td>
<td>31.13</td>
</tr>
<tr>
<td>I</td>
<td>1,00,000 and more</td>
<td>423</td>
<td>172.04</td>
<td>61.48</td>
<td>23.12</td>
</tr>
<tr>
<td>II</td>
<td>50,000 – 99,999</td>
<td>498</td>
<td>34.43</td>
<td>12.3</td>
<td>43.45</td>
</tr>
<tr>
<td>III</td>
<td>20,000 – 49,999</td>
<td>1386</td>
<td>41.97</td>
<td>15.0</td>
<td>46.19</td>
</tr>
<tr>
<td>IV</td>
<td>10,000 – 9,999</td>
<td>1560</td>
<td>22.6</td>
<td>8.08</td>
<td>32.94</td>
</tr>
<tr>
<td>V</td>
<td>5,000 – 9,999</td>
<td>1057</td>
<td>7.98</td>
<td>2.85</td>
<td>41.49</td>
</tr>
<tr>
<td>VI</td>
<td>Less than 5,000</td>
<td>227</td>
<td>0.8</td>
<td>0.29</td>
<td>21.21</td>
</tr>
</tbody>
</table>

**Administrative towns and cities**

Towns supporting administrative headquarters of higher order are administrative towns, such as Chandigarh, New Delhi, Bhopal, Shillong, Guwahati, Imphal, Srinagar, Gandhinagar, Jaipur Chennai, etc.

**Industrial towns**

Industries constitute prime motive force of these cities such as Mumbai, Salem, Coimbatore, Modinagar, Jamshedpur, Hugli, Bilai, etc.

**Transport Cities**

They may be ports primarily engaged in export and import activities such as Kandla, Kochchi, Kozhikode, Vishakhapatnam, etc. or hubs of inland transport such as Agra, Dhulia, Mughal Sarai, Itarsi, Katni, etc.

**Commercial towns**

Towns and cities specialising in trade and commerce are kept in this class. Kolkata, Saharanpur, Satna, etc. are some examples.

**Mining towns**

These towns have developed in mineral rich areas such as Raniganj, Jharia, Digboi, Ankaleshwar, Singrauli, etc.

**Garrison Cantonment towns**

These towns emerged as garrison towns such as Ambala, Jalandhar, Mhow, Babina, Udhampur, etc.
### Table 4.3: India – Population of Million plus Cities/Urban Agglomeration, 2001

<table>
<thead>
<tr>
<th>Rank</th>
<th>Name of Urban Agglomeration/ Cities</th>
<th>Population (in million)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Greater Mumbai</td>
<td>16.37</td>
</tr>
<tr>
<td>2</td>
<td>Kolkata</td>
<td>13.22</td>
</tr>
<tr>
<td>3</td>
<td>Delhi</td>
<td>12.79</td>
</tr>
<tr>
<td>4</td>
<td>Chennai</td>
<td>6.42</td>
</tr>
<tr>
<td>5</td>
<td>Bangalore</td>
<td>5.69</td>
</tr>
<tr>
<td>6</td>
<td>Hyderabad</td>
<td>5.53</td>
</tr>
<tr>
<td>7</td>
<td>Ahmedabad</td>
<td>4.52</td>
</tr>
<tr>
<td>8</td>
<td>Pune</td>
<td>3.76</td>
</tr>
<tr>
<td>9</td>
<td>Surat</td>
<td>2.81</td>
</tr>
<tr>
<td>10</td>
<td>Kanpur</td>
<td>2.69</td>
</tr>
<tr>
<td>11</td>
<td>Jaipur</td>
<td>2.32</td>
</tr>
<tr>
<td>12</td>
<td>Lucknow</td>
<td>2.27</td>
</tr>
<tr>
<td>13</td>
<td>Nagpur</td>
<td>2.12</td>
</tr>
<tr>
<td>14</td>
<td>Patna</td>
<td>1.71</td>
</tr>
<tr>
<td>15</td>
<td>Indore</td>
<td>1.64</td>
</tr>
<tr>
<td>16</td>
<td>Vadodara</td>
<td>1.49</td>
</tr>
<tr>
<td>17</td>
<td>Bhopal</td>
<td>1.45</td>
</tr>
<tr>
<td>18</td>
<td>Coimbatore</td>
<td>1.45</td>
</tr>
<tr>
<td>19</td>
<td>Ludhiana</td>
<td>1.39</td>
</tr>
<tr>
<td>20</td>
<td>Kochi</td>
<td>1.36</td>
</tr>
<tr>
<td>21</td>
<td>Vishakhapatnam</td>
<td>1.33</td>
</tr>
<tr>
<td>22</td>
<td>Agra</td>
<td>1.32</td>
</tr>
<tr>
<td>23</td>
<td>Varanasi</td>
<td>1.21</td>
</tr>
<tr>
<td>24</td>
<td>Madurai</td>
<td>1.19</td>
</tr>
<tr>
<td>25</td>
<td>Meerut</td>
<td>1.17</td>
</tr>
<tr>
<td>26</td>
<td>Nashik</td>
<td>1.15</td>
</tr>
<tr>
<td>27</td>
<td>Jabalpur</td>
<td>1.12</td>
</tr>
<tr>
<td>28</td>
<td>Jamshedpur</td>
<td>1.10</td>
</tr>
<tr>
<td>29</td>
<td>Asansol</td>
<td>1.09</td>
</tr>
<tr>
<td>30</td>
<td>Dhanbad</td>
<td>1.06</td>
</tr>
<tr>
<td>31</td>
<td>Faridabad</td>
<td>1.05</td>
</tr>
<tr>
<td>32</td>
<td>Allahabad</td>
<td>1.05</td>
</tr>
<tr>
<td>33</td>
<td>Amritsar</td>
<td>1.01</td>
</tr>
<tr>
<td>34</td>
<td>Vijayanvela</td>
<td>1.01</td>
</tr>
<tr>
<td>35</td>
<td>Rajkot</td>
<td>1.00</td>
</tr>
</tbody>
</table>

**Total** 107.88

*For Census of India 2011 see appendix on Page No. 161*

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### Educational towns

Starting as centres of education, some of the towns have grown into major campus towns such as Roorkee, Varanasi, Aligarh, Pilani, Allahabad etc.

### Religious and cultural towns

Varanasi, Mathura, Amritsar, Madurai, Puri, Ajmer, Pushkar, Tirupati, Kurukshetra, Haridwar, Ujjain came to prominence due to their religious/cultural significance.

### Tourist towns

Nainital, Mussoorie, Shimla, Pachmarhi, Jodhpur, Jaisalmer, Udagamandalam (Ooty), Mount Abu are some of the tourist destinations. The cities are not static in their function. The functions change due to their dynamic nature. Even specialised cities, as they grow into metropolises become multifunctional wherein industry, business, administration, transport, etc. become important. The functions get so intertwined that the city can not be categorised in a particular functional class.

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**EXERCISES**

1. Choose the right answers of the following from the given options.

   (i) Which one of the following towns is NOT located on a river bank?
       
       (a) Agra
       (b) Bhopal
       (c) Patna
       (d) Kolkata

   (ii) Which city is not located in the state of Maharashtra?
       
       (a) Bhopal
       (b) Nagpur
       (c) Pune
       (d) Surat

   (iii) Which city has the highest population?
       
       (a) Greater Mumbai
       (b) Kolkata
       (c) Delhi
       (d) Chennai
(ii) Which one of the following is NOT the part of the definition of a town as per the census of India?
(a) Population density of 400 persons per sq km.
(b) Presence of municipality, corporation, etc.
(c) More than 75% of the population engaged in primary sector.
(d) Population size of more than 5,000 persons.

(iii) In which one of the following environments does one expect the presence of dispersed rural settlements?
(a) Alluvial plains of Ganga
(b) Arid and semi-arid regions of Rajasthan
(c) Lower valleys of Himalayas
(d) Forests and hills in north-east

(iv) Which one of the following group of cities have been arranged in the sequence of their ranks i.e. 1, 2, 3 and 4 in size?
(a) Greater Mumbai, Bangalore, Kolkata, Chennai
(b) Delhi, Greater Mumbai, Chennai, Kolkata
(c) Kolkata, Greater Mumbai, Chennai, Kolkata
(d) Greater Mumbai, Kolkata, Delhi, Chennai

2. Answer the following questions in about 30 words.
(i) What are garrison towns? What is their function?
(ii) How can one identify an urban agglomeration?
(iii) What are the main factors for the location of villages in desert regions?
(iv) What are metropolitan cities? How are they different from urban agglomerations?

3. Answer the following questions in about 150 words.
(i) Discuss the features of different types of rural settlements. What are the factors responsible for the settlement patterns in different physical environments?
(ii) Can one imagine the presence of only one-function town? Why do the cities become multi-functional?