

## E-Contents in Geography for Secondary Stage (Class IX) for April May 2016

### Resource 1

S.NO.	Area	Content
1	<b>Topic</b>	Drainage/ Dendritic pattern
2	<b>Subject</b>	Geography
3	<b>Topic connected which area of subject?</b>	India – River system , patterns
4	<b>Class/ Level</b>	IX, Secondary stage
5	<b>Objectives</b>	To make students aware about drainage pattern of the river
6	<b>Summary</b>	Drainage describes the river system of an area The drainage systems of India are controlled by major relief features such the Himalayas and the Peninsular plateau. The streams within a drainage basin form certain patterns, depending upon the slope of land underlying rock structure as well as the climatic conditions of the area. Some of the drainage patterns are dendritic, trellis, rectangular, radial, etc.
7	<b>Key Words</b>	River, drainage, tributaries, consequent, subsequent, distributaries, meander, flood plain, valley, delta, radial pattern, dendritic pattern, trellis pattern, rectangular pattern.
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## **Drainage System**

**Indian** drainage system consists of a large number of small and big rivers. It is an outcome of the evolutionary process of the major physiographic units and nature and characteristics of precipitation. The major physiographic units are The Himalayas and the peninsular plateau.

### **Consequent and Subsequent Streams:**

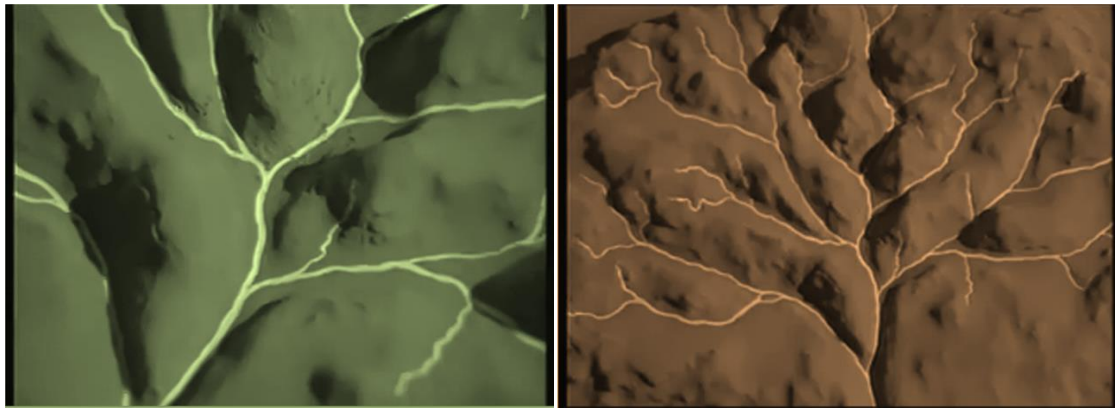
The uplands or the mountains through which a river flows describe its catchment area from over which it draws its water. Originally when rivers flow in the direction of the slope or as a consequent of the slope, they are called the consequent streams. As soon as such a river is joined by its tributaries, it is called the subsequent stream. The subsequent stream is controlled by the underlying rock structure as it flows on weak strata lying near the master stream on its either side.

#### **1. Dendritic pattern-**

The drainage pattern resembling the branches of a tree is known as Dendritic. The word Dendron means tree in Greek language. The main river is like the trunk of a tree and the tributary streams join it like branches of a tree at a small angle. The examples of Dendritic pattern are the rivers of northern plains of India.

Question:

1. Identify main river and its tributaries in Fig. 1 .
2. Name the rivers flow on the northern plains of India.



**Fig 1- Dendritic pattern**