HOTS (Higher Order Thinking Skills)

Q.1. What is the importance of longitude?

Ans.

- i. The importance of longitudes lies in the fact that it facilitates the calculation of the local time of a place very easily.
- ii. Secondly if one knows the latitudes and longitudes of a place, he can easily locate it either on the map or on a globe without wasting much of time.For example, if Chennai is located on the 80° east longitude then we can easily make out its location.

Q.2. How is IST calculated?

Ans.

- i. In India, for instance, there will be a difference of about 1 hour and 45 minutes in the local times of Dwarka in Gujarat and Dibrugarh in Assam.
- ii. It is therefore, necessary to adopt the local time of some Central Meridian of a country as the standard time for the country.
- iii. In India, the longitude of 821/2°E (82°30E) is located as the standard meridian.
- iv. The local time at this meridian is taken as the standard time for the whole country.
- v. It is known as the Indian Standard Time (IST).