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1) a) The true shape of the Earth is that it is a spheroid. This is because the Earth is not a perfect sphere or circle. It is flattened towards the poles.

b) A globe is a miniature and three-dimensional representation of the Earth. It is a true representation of the Earth. The first globe were made by the ancient Greeks around 150 BCE.

c) The Tropic of Capricorn lies in the southern hemisphere. It lies just below the Equator. The latitudinal value of

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Tropic of Capricorn is $23\frac{1}{2}^{\circ}$ S.

d) The Tropic of Cancer lies in the Northern Hemisphere. It lies just above the Equator. The latitudinal value of Tropic of Cancer is $23\frac{1}{2}^{\circ}$ N.

e) The three temperate zones of the Earth are:

* Torrid zone \rightarrow It receives the highest heat among the three temperate zones. It lies inbetween the Tropic of Cancer and the Tropic of Capricorn.

* Temperate zone \rightarrow It receives the slanting sun rays. It lies between the Tropic

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of Cancer and Arctic Circle in the Northern Hemisphere and Tropic of Capricorn and Antarctic Circle in the Southern Hemisphere.

Frigid zone → The frigid zone receives the least sunlight. It lies between the North Pole and Arctic Circle in the Northern Hemisphere and between the South Pole and Antarctic Circle in Southern Hemisphere.

g) It is so because the India is GMT (+5:30). Whereas, London is GMT (+1:00). That's why the

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India is ahead of London in
comparision to time. And the distance
from the G.M.T. 