



## ST. JOSEPH'S COLLEGE, PRAYAGRAJ

### SECOND UNIT TEST 2024

#### GEOGRAPHY

#### CLASS – IX

TIME: 1 Hour

MM: 30

#### SECTION – A (Attempt all questions)

#### Q 1)

- 1) What are tides? Name one factor that causes tides. [2]
- 2) Give a geographical reason for each of the following: [3]
  - a) The waters of the Oyashio Current form the richest fishing grounds in the world.
  - b) Peru receives snowfall whereas Brazil receives rainfall inspite of both being on the same latitudes.
- 3) Draw a well labelled diagram showing the formation of spring and neap tides. [3]
- 4) Ocean currents flow for great distances and together they create the global conveyor belt, which plays a dominant role in determining the climate of many of Earth's regions. More specifically, ocean currents influence the temperature of the regions through which they travel. [3]
  - a) In what way do the warm ocean currents influence the climate of a place?
  - b) How do the ocean currents impact the water transport?

#### Q 2)

- 1) Name the layer of the atmosphere which fit the description: [2]
  - a) This layer is closest to the earth's crust.
  - b) This layer is consisting of electrically charged particles called ions.
- 2) Give a geographical reason for each of the following: [2]
  - a) Various weather phenomena are confined to the troposphere.
  - b) The Stratosphere is considered ideal for flying jet aircraft.
- 3) During the summer of 2024, the Northern Hemisphere faced unprecedented heatwaves, with July recording the highest global temperatures ever. The World Meteorological Organisation warned earlier this year that Asia is heating up faster than the global average, leading to increased casualties and economic losses from floods, storms, and intensifying heatwaves. (The Indian Express) [3]
  - a) What is Global Warming?
  - b) What will be the effect of global warming on the Poles and Coastal Areas.
- 4) a) What are the main functions of Ozone layer? [3]  
b) What causes are responsible for the Ozone depletion?

#### Q 3)

- 1) What difference is there in the temperatures on a mountain and on a seashore? [2]
- 2) Name any four factors which influence the temperature of a place. [2]
- 3) a) Why does only 51% of the insolation reach the Earth surface? TBD [3]  
b) How do winds modify the temperature of a place?
- 4) Give a geographical reason for each of the following: [3]
  - a) The ports of the western coast of Europe remain ice-free during winter.
  - b) A desert region has a high range of temperature than a forest region.
  - c) Although Shimla and Ludhiana are located on the same latitude, Shimla is cooler than Ludhiana.