

# Kadamtala Purba Bashabo School & College

## Online Assignment

Class : XI

Subject: English

Marks: 20

### **Read the following passage and answer the questions below:**

A vast mangrove forest shared by Bangladesh and India that is home to possibly 500 Bengali tigers is being rapidly destroyed by erosion, rising sea levels and storm surges, according to a major study by researchers at the Zoological Society of London (ZSL) and others.

Natalie Pettorelli, one of the report's authors, said: "Coastline retreat is evident everywhere. A continuing rate of retreat would see these parts of the mangrove disappear within 50 years. On the Indian side of the Sundarbans, the island which extends most into the Bay of Bengal has receded by an average of 150 metres a year, with a maximum of just over 200 metres; this would see the disappearance of the island in about 20 years."

The Sundarbans forest took the brunt of super cyclone Sidr in 2007, but new satellite studies show that 71% of the forested coastline is retreating by as much as 200 meters a year. If erosion continues at this pace, already threatened tiger populations living in the forests will be put further at risk.

The Sundarbans is known for vanishing islands but the scientists said the current retreat of the mangrove forests on the southern coastline is not normal. "The causes for increasing coastline retreat, other than direct anthropogenic ones, include increased frequency of storm surges and other extreme natural events, rises in sea-level and increased salinity which increases the vulnerability of mangroves", said Pettorelli.

"Our results indicate a rapidly retreating coastline that cannot be accounted for by the regular dynamics of the Sundarbans. Degradation is happening fast, weakening this natural shield for India and Bangladesh."

"As human development thrives, and global temperature continues to rise, natural protection from tidal waves and cyclones is being degraded at alarming rates. This will inevitably lead to species loss in this richly biodiverse part of the world, if nothing is done to stop it."

**1. Answer the following questions:**

**2x5=10**

- a) What, according to the researchers, are the factors responsible for the destruction of the mangrove forest shared by Bangladesh and India ?
- b) What is the rate of erosion according to the new satellite studies? What will happen if it continues at the current pace ?
- c) Describe the observation of Natalie Pettorelli regarding the retreat of the coastline of the Sundarbans.
- d) Describe the effect of human development and continuous rise of global temperature on the Sundarbans.
- e) "To lose the Sundarbans would be to move a step closer to the extinction of these majestic animals." Do you agree ? Give reasons for your answers.

**2. The graph below shows the number of road accident in Bangladesh and the death and injured occurred by it from 2009 to 2013. Describe the graph in at least 80 words. You should highlight the information and report the main features given in the graph.**

**10**

