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DATE - 21 May 2020 . Sub Teacher – MD NAUSHAD

CLASS – X SUBJECT – English (Reading)

Topic – Discursive Passage

Study Materials

Reading

Read the following passage carefully: (12 marks)

(1) Last summer I boarded a flight from the IGI airport. The airplane waited at the runway in a queue to take off for one hour, with the engines running. A lot of aviation fuel was wasted. Carbon dioxide, nitrogen oxide and water vapour were released into the atmosphere.

(2) With the entry of many players in the aviation industry, pollution has reached the skies as well. With the number of air line flights worldwide growing and expected to skyrocket over the coming decades, the problem of delayed arrival and departure will intensify.

(3) The inefficiencies in the air and on the ground caused by the system also mean wastage of fuel and excessive of CO₂. No doubt, the air travel industry is coming under scrutiny for its role in climate change. Though aviation industry contributes only 2% of the total C-emissions. But with the rapid economic growth and ever increasing affordability of air travel, this

industry will only expand at a much faster pace than ever before, thus increasing the rate of carbon emissions.

(4) Aircraft emission pollutes the air and threatens to become one of the largest contributors of global warming by 2050. At present, pollution from the aircrafts is less than 3% of the environmental pollution, but it is believed that aircraft emissions are currently one of the fastest growing contributors to global warming.

(5) A viable and a sustainable solution comes from the next generation jet bio fuels made from algae or coconuts. Another sustainable alternative would be to put an analog traffic-control system, which is installed in a few airports around the world.

(6) Next Gen is the FAA's (Federal Aviation Administration) long term plan to replace the current U.S. radar based air – traffic control system with one that operates using satellites and a global positioning system. Instead of a radar system, that updates the position of planes only as often as its dish rotates every 12 sec. or so, next Gen will use satellite data to locate planes in real time. Instead of relying on time consuming voice communication with a control tower, pilots will instantly know the location, speed and direction of the planes around them. Every minute saved from a flight plan means fuel saved and carbon emissions averted. And with jet fuel costing about \$ 1.75 per gallon that save the airlines millions.

(A) On the basis of your reading of the above passage, answer the following statements briefly: (2×4 = 8 + 1×4 = 12marks)

(a) What is the outcome of the entry of many players in the aviation industry ?

(b) What did the inefficiencies in the air on the ground caused by the system mean ?

(c) What does every minute saved from a flight plan means

(d) What is FAA's long term plan ?

(e) Decorative object (para 2):

- | | |
|--------------------|----------------------|
| (i) shell | (ii) ornament |
| (iii) magic | (iv) stone |

(f) in detail:

- | | |
|--------------------------|---------------------|
| (i) elaborate. | (ii) arrange |
| (iii) impressive. | (iv) row |

(g) capable of working successfully:

- (i) sustainable (ii) viable . (iii) install (iv) update**

(h) move in a circle round a central position:

- (i) rotate (ii) analog (iii) satellite (iv) speed**