**Unit 5**

**Technical Problems**

**Lecture 8 (page 42+43)**

**Describing the causes of faults (completed)**

**Ex. 9. b.: In this text you are going to continue the sequence of events that followed the fuel leak on the Airbus A330 (which we discussed in lesson 6).**

**At 6:27/ C:** At this point, the plane is powerless and uncontrollable. The flaps used to slow the plane down were inoperable. The co-pilot calculated that the plane could remain airborne for 15-20 minutes.

**At 6:46:** The run way was in sight. The pilot followed a number of steps to slow the plane and land. 1) He lowered the landing gears manually, 2) performed zigzag manoeuvers, and 3) applied emergency brakes. The aircraft touched the run way exceeding the standard speed by 100km/h. Luckily, the plane stopped safely.

**Vocabulary items for each paragraph:**

**At 6:27/C:**

Powerless (adj.): having no power.

Uncontrollable (adj.): cannot be controlled.

Deploy: to put something into use

Generate: to produce energy

Back-up: support

Inoperable: does not work

Co-pilot: a pilot who helps the main pilot on an aircraft

Airborne: in the air/ carried by air or wind

**At 6:46:**

In sight: can be seen

Manually (adj.): by hand. The opposite of 'automatically'

Series: a number of things

Spectacular (adj.): great/ amazing

Manoeuvers: set of movements needing skills

Exceed (v.): be greater than a number or amount/ to go past an allowed limit

Blow out: a sudden explosion of a tire while moving quickly .

Catch fire: start burning

**Ex. 9.c.: In this exercise you will learn how to make opposites using prefixes.**

**First, let's remember what a prefix/ suffix is.**

**A prefix is an affix (part) which is placed before the word.**

Like- dislike

Happy- unhappy

Sure- ensure

**A suffix is an affix which is placed at the end of the word.**

Power- powerful

Quick- quickly

Danger- dangerous

**In Ex. C, you have some prefixes which we use to make opposites.**

1. Correct---- incorrect 7. Proportionate---- disproportionate

2. Undersized--- oversized 8. Regular---- irregular

3. adequate---- inadequate 9. Balance--- imbalance

4. detected---- undetected 10. Function--- malfunction

5. normal--- abnormal 11. Operable--- inoperable

6. sufficient--- insufficient

**Ex. 9. d.: Answers**

1. incorrect/abnormal 2. inadequate/ insufficient 3. irregular

4. oversized 5. malfunction 6. imbalance

7. undetected 8. inoperable

**Text 5.4.: This text discusses the problem of air pressure in an aircraft tires.**

**Read the text and understand the problem.**