

PART TWO – LECTURE AND NOTE-TAKING

- This part of the exam aims at testing your note-taking ability from a lecture.
- You are going to listen to a lecture about the wind as an alternative form of energy. Take notes on the following pages as you listen to the lecture. Your notes will not be marked.
- At the end of the lecture, you will be given questions which you have to answer by using the notes you have made. You will have 15 minutes to answer the questions.
- Listen to the lecture and take notes. You do not have to note down everything. Note down the important information, as well as examples. Information is often repeated in the lecture. Therefore, you will have enough opportunity to take notes.
- You will hear the lecture only ONCE.
- You now have 1 minute to look at the note-taking headings before the lecture starts

You may use this page and the following two pages to take your notes.

NOTES

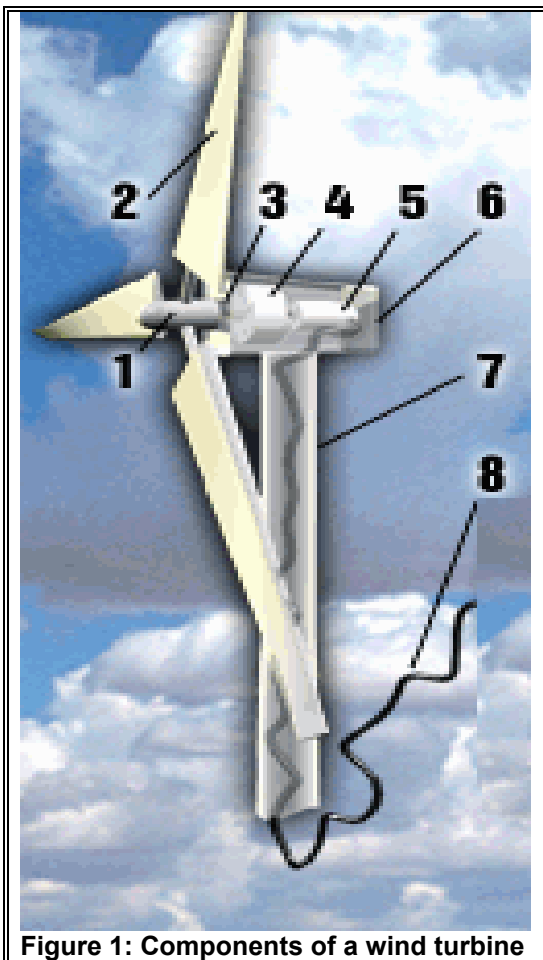
Definition of energy:

World electricity generation:

The main functions the wind energy served:

History of wind energy:

Relationship between the wind and the fossil fuels:



How wind turbines work

Figure 1: Components of a wind turbine

Disadvantages of using wind energy:

Conclusion:

PART TWO – LECTURE AND NOTE-TAKING – WIND ENERGY - QUESTIONS

Answer the following questions by using the notes you have made. You have 15 minutes to complete this part. Give precise answers. You will lose points if you include irrelevant information in your answer.

13. How does the lecturer define energy?

14. How much of the world's electricity is generated by non-renewable resources?

15. Apart from pumping water and transport, for what **two** other purposes was the wind used in history?

a. _____

b. _____

16. Who brought the idea of windmills to the Western world?

17. Why did the windmills lose their importance in America?

18. Why did wind power generators lose their popularity in the 1960s?

19. What positive impact did the oil embargoes of the 1970s have on wind turbine technology?

20. What type of energy is converted to electricity by wind turbines? _____

Please turn the page ==>

21. What is the main function of the gearbox?

22. What is the main function of the yaw drive?

23. What were the **TWO** main obstacles to wind energy mentioned in the lecture?

a. _____

b. _____

24. How does the speaker feel about the future potential of using the wind to generate electricity?

Listening One: _____ / 13 pts