

## Subject “TRANSPORT ECOLOGY”

### MODULE TEST

1. Call the influencing factors on air traffic volumes growth.
2. What is the Single European Sky and its functions?
3. What's the ICAO? (function, international standards in the sphere of environmental protection).
4. What's the global warming? Aviation contribution to global warming.
5. What's the emission? Composition of the exhaust gases from aircrafts.
6. Content of CO and C<sub>x</sub>H<sub>y</sub> in exhaust emission caused by.....
7. Content of NO<sub>x</sub> in exhaust emission caused by.....
8. What are ICAO standarts according to Control emission parameters for modern engines?
9. What does “EI” mean? Unit of measurement.
10. Contribution to greenhouse gas emissions by all types transport.
11. Ways to control and reduce aircraft emission.
12. What's the Emissions trading system?
13. What are the main sources of air pollution in the airport?
14. Sources and composition of wastewaters in airports.
15. Soil contamination in the airports.
16. What's the noise? Noise pollution from aviation.
17. Sources of noise pollution at airport.
18. What is the affect form noise pollution on human. Permissible levels of noise.
19. Measures to reduce noise pollution.
20. Definition of wastes? Classification of wastes.
21. Types of wastes at airport.
22. Waste management.
23. Purification methods of waste waters.
24. Biological water treatment.
25. Propose the technological scheme to waste waters treatment at airport.
26. What are the permanent and accidental risks at airport?
27. Risks to the health of people living in the affected area airports.
28. What's Integrated Risk Information System?
29. The criteria of risk assessment from the activities in the field of civil aviation include....
30. Toxicological profile of specific substances and materials, used in aviation.
31. What environmental procedures ought to be used to ensure environmental safety of airports and aviation?
32. What's environmental management system in airport?
33. Environmental certification of airports.
34. Aircrafts certification.
35. Economic measures to stimulate environmental performance of airports.
36. What are alternative fuels? Classification.
37. Raw materials for biofuels. Advantages and disadvantages of alternative fuels using.
38. Factors for biofuels production in Ukraine.
39. Energy efficiency laws in Ukraine. Energy consumption optimization at airport.
40. What's the “airport of future” from your point of view?