

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE**  
**NATIONAL AVIATION UNIVERSITY**  
**Faculty of Environmental Safety, Engineering and Technologies**  
**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

\_\_\_\_\_ **APPROVED**

Head of the Department of  
Environmental Science

Tamara DUDAR

« » 2023

**LIST OF THE QUESTIONS TO THE EXAM**  
on the subject «Introduction into Major»

Educational Professional Program: Ecology and Environmental Protection

Field of study: 10 Natural Sciences

Specialty: 101 Environmental Science

Compiler: Saienko T.V. Doctor in Pedag. Sciences,  
Professor, Prof. of the Department of Environmental  
Science

(Name, Scientific Degree, Academic Title, Position)

1. The history of the development of ecology as a science.
2. The main stages of the formation of ecology.
3. Aim, purpose, tasks and methods of ecology.
4. Areas of activity and responsibilities of an ecologist.
5. Knowledge, abilities and skills of an ecologist.
6. Competences of an ecologist.
7. Definition and meaning of «environmental education».
8. Definition of the term «ecology», its origin.
9. System-forming factors (signs) of ecology.
10. Functional duties of an ecologist.
11. Practical spheres of activity of an ecologist.
12. Educational degrees of higher education, their characteristics.
13. What is the educational and qualification characteristic (EQC)?
14. What is an educational and professional program (EPP)?
15. Definition of terms: knowledge, ability, skills.
16. Bologna process — history, significance, accession of Ukraine.
17. The Great Charter of Universities (Magna Charta Universitatum) and its historical role.
18. Environmental right — definition and its subject.
19. Environmental rights and responsibilities of citizens of Ukraine.
20. Definition of academic integrity and its principles.
21. The main principles of sustainable development.
22. Components of the concept of sustainable development.
23. Indicators of sustainable development.
24. Goals of sustainable development, by whom and when adopted, domestic documents in this direction.
25. Environmental management system and its main components.
26. Environmental management, marketing, audit, expertise, engineering and insurance.
27. The origin of the term «ecosystem» and its modern meaning.
28. Definition of the term biosphere.
29. The founder of the modern doctrine of the biosphere.
30. Origin of the term neoecology.
31. Environmental problems of Ukraine.
32. Environmental problems of the world and Europe in particular.
33. What is the greenhouse effect?
34. Significance of the International Environmental Conference in Rio de Janeiro.
35. Significance of the Club of Rome International Organization.
36. Methods of formation of ecological consciousness.
37. Anthropocentrism and biocentrism. Ecocentrism.
38. Theories of the formation of ethnic groups, nations, and societies.
39. Content of global ecology.
40. The main problem of human survival.
41. Principles of International Environmental Right.

42. Document «Agenda for the XXI century».
43. International treaties on space problems.
44. International environmental organizations.
45. Global network of environmental labeling.
46. Environmental organizations of Ukraine.
47. State system of ecological safety.
48. Definition of environmental safety.
49. Components of eco-safety.
50. Principles of environmental safety.
51. Ecotop, ecological niche.
52. Classification of radiation accidents and events (deviation, anomaly, incident, serious incident, accident (3 types), disaster). The level of the Chernobyl accident in 1986.
53. Scientific research, their main types.
54. Scientific and technical progress and its consequences.
55. Theories of the future of humanity.
56. Current tasks of the science of ecology.
57. Applied branches of ecology.
58. Object and subject of ecopsychology.
59. Tasks of ecopsychology.
60. Formation of ecotributive (eco-expedient) behavior and activities of people.
61. The aim of education and the aim of environmental education.