УТВЕРЖДЕНО

Решение заседания кафедры

общего землеведения и гидрометеорологии

21 ноября 2024 г., № 4

Теоретические вопросы для проведения экзамена

по учебной дисциплине«Current Issues in Hydrometeorology» /

Проблемы современной гидрометеорологии

(магистратура, иностранные студенты)

Форма проведения – тестирование

1. Basic meteorological parameters.
2. Timing and order of meteorological observations.
3. Reanalysis of meteorological values, their practical significance.
4. Quality criteria for observational data on the atmosphere
5. Quality criteria for observational data on hydrosphere.
6. Main fields of hydrology.
7. Types of hydrological information.
8. Programs and timing of hydrological observations.
9. Classifications in hydrometeorology.
10. Environmental problems of hydrometeorology.
11. Earth's climate system.
12. Elements of the climate system.
13. Scheme of planetary circulation of the atmosphere and the World Ocean.
14. Current trends in global and regional climate change.
15. Atmospheric processes in extratropical latitudes and tropics.
16. Research on ultraviolet radiation and the problem of the ozone layer.
17. Activities of the Intergovernmental Panel of Experts.
18. Climatic projections.
19. Global moisture circulation and climate.
20. River flow and its components.
21. Contribution of economic activities to the river and reservoir regime transformation.
22. Criteria and signs of similarity of water objects.
23. Trends in long-term changes in river flow.
24. Indicators of water quality in water objects.
25. Observations of the atmospheric air quality.
26. Discrete and automated observation programs.
27. Criteria for assessing the atmospheric air quality.
28. International projects on atmospheric air monitoring and data availability.

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