**Questions on block 3 of the educational program**

**“Pedagogy and Psychology”**

###001

What are the approaches to defining the essence of the pedagogy methodology and what levels of methodological analysis in science can be distinguished?

###002

Name and describe the key stages in the evolution of the methodology of pedagogical science.

###003

What is the main substantive difference between the research subject and the research object?

###004

Describe the goals and objectives of pedagogical research.

###005

What types of hypotheses are used to formulate pedagogical research assumptions?

###006

Name the levels of theoretical and practical significance of the research and define them.

###007

What is pedagogical research and what are its quality criteria?

###008

Give a classification of scientific research methods.

###009

Name the specific features of a pedagogical experiment.

###010

On what scientific problem would you like to conduct a psychological and pedagogical research?

###011

What is the significance of the results of pedagogical research for the practice of education and improving the quality of the educational process?

###012

What criteria should be followed when selecting research methods?

###013

What is the role of logical and intuitive factors in scientific knowledge?

###014

What functions does theory perform in the process of scientific knowledge?

###015

What are causal explanations?

###016

What is the specificity of the methodology as a doctrine of activity?

###017

What are «scientific knowledge» and «scientific research»?

###018

When did science emerge as a social institution?

###019

What is the specificity of scientific knowledge?

###020

What are the main laws governing the development of science?

###021

What is the role of strategy in scientific knowledge?

###022

What are the principles of scientific research?

###023

What is the specificity of the researcher’s methodological culture?

###024

What ethical mistakes can be made during theoretical research?

###025

Which requirements place demand on all scientific publications?

###026

What is the relationship between theory and method?

###027

What main groups can be divided into methods of scientific knowledge according to the multilevel concept of methodological knowledge?

###028

What modern technologies and means of communication can be used to effectively present the results of pedagogical research?

###029

What ways of approbation and implementation of research results are allocated?

###030

What ethical aspects should be taken into account when using statistical methods in pedagogical research?

###031

What tools or software can be used to create data visualizations in research work?

###032

The role of publication and exchange of scientific results in the development of science.

###033

Describe the types of validity of diagnostic techniques.

###034

What is the role of privacy and data protection in theoretical research?

###035

What statistics are used to measure the internal consistency of a diagnostic procedure?

###036

Describe the main techniques for assessing the reliability of a diagnostic technique.

###037

What is the specificity of didactic research?

###038

What is the unity of the theoretical and practical levels of knowledge?

###039

Name and describe the main elements of the theory, highlighted in modern methodology.

###040

Describe the sources, objects and procedures for the methodological justification of pedagogical research.

###041

What are the functions of pedagogical experience in relation to pedagogical science?

###042

Describe the process of implementing the results of pedagogical research into practice.

###043

Describe private methodological research in the field of pedagogy.

###044

What challenges and difficulties may arise in organizing and conducting a monodisciplinary collective research?

###045

How is the methodological validity of research assessed in a pedagogical dissertation?

###046

What is the essence of the intentional and non-intentional plans of the cognitive process?

###047

What are the advantages and prospects of using the methodology for searching for anomalous phenomena in scientific research and practice?

###048

What are the benefits of statistical analysis methods in research work?

###049

How is scientific knowledge tested and confirmed?

###050

What is the role of stakeholders in the problem of implementing research results?

###051

What are the nature and functions of scientific knowledge?

###052

What are the norms of scientific activity?

###053

How is the professional responsibility of a scientist realized?

###054

Should, in your opinion, the freedom of the researcher be limited? Justify your answer.

###055

What methods and tools are used to identify and document side effects of a study?

###056

What factors can hinder the successful implementation of research results in practice?

###057

Why facts are considered the starting points of any scientific research and are one of the most important goals of the cognitive process?

###058

Describe the main groups of ideals and norms of research activity.

###059

What is the specificity of the methodology of natural science and humanitarian knowledge?

###060

What stages are distinguished in the structure of the research program?

###061

Why the scientific paradigm is an important regulator of research activities?

###062

What is pedagogical methodology? How many levels of pedagogical methodology E. Yudin singled out?

###063

What is the essence of scientific activity? Define the concept.

###064

Levels of scientific and pedagogical research methodology.

###065

What is the difference, the specifics of pedagogical research?

###066

What is the difference between classification and typology?

###067

Name the functions of modern science.

###068

What is the role of pedagogical experience and expertise in conducting pedagogical research?

###069

What skills and competencies in the field of methodology are necessary for a teacher to successfully conduct research work?

###070

What do you understand by the concept of «science»? What, in your opinion, is included in the scientific field?