# APPROVED

The dean of faculty

Doctor of philosophy, professor,

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Massalimova A.R.

The report № from

“26.08.2016” 2016

**Examination questions**

**on discipline “Research Methods and Experience ”**

**” 3 credit**

**Directions of specialization: “6M050300 – Psychology”**

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| **№** | **Question** | **Part\*** |
|  | Represent historical overview of research methods in psychology. | 1 |
|  | Reveal basic scientific schools of psychology and their studies. | 1 |
|  | Analyze and give examples of scientific schools of psychology that are popular in Kazakhstan nowadays. | 1 |
|  | Explain a scheme of experimental design in psychology. | 1 |
|  | Describe experimental study as one of the main methods of psychology. | 1 |
|  | Define types and structure of experiment in psychology. | 1 |
|  | Give examples of experiments that influenced on psychology as a science. | 1 |
|  | How can we use measurement scales in psychological research? | 1 |
|  | Analyze main problems of creating new psychological method. | 1 |
|  | Draw a table of scientific research topics in psychology. | 1 |
|  | Make a comparison of research scales in psychology. | 1 |
|  | Explain differences between dependent and independent variables. | 1 |
|  | Produce an observation on dependent variable and give examples. | 1 |
|  | Conduct an observation on independent variable and give examples. | 1 |
|  | Describe attributes of good validity of a test as a research method. | 1 |
|  | Create scheme of using research methods on the theme of your dissertation. | 2 |
|  | Reveal design matter of experiment in psychology. Present forms of design and ways of their control. | 2 |
|  | Explain significance of pilot research in psychology and describe conditions of conducting the pilot research. | 2 |
|  | Write an essay on issue – “Importance of pilot study in research work”. | 2 |
|  | Describe data processing of psychological experiment. | 2 |
|  | Explain differences between quantitative and qualitative data processing. | 2 |
|  | Show possibilities of new psychological method creation and adaptation. | 2 |
|  | Explain the concepts of standardization, reliability and validity of new method. | 2 |
|  | Reveal possibilities of using of the Statistical Package for the Social Sciences (SPSS) in psychology. | 2 |
|  | Distinguish peculiarities of parametric and non-parametric statistics in SPSS. | 2 |
|  | Create scheme of using SPSS within your dissertational study with the example. | 2 |
|  | Describe what correlation is, identify correlation types and give examples. | 2 |
|  | Explain possibilities of applying modern computer technologies in psychological research. | 2 |
|  | Analyze mistakes and restrictions of using computer programs in psychology. | 2 |
|  | Write an essay: “Using of innovative methods and technology in psychology”. | 2 |
|  | Reveal significance of generalization and interpretation of research results in psychology. | 3 |
|  | Explain what control group is in experimental research and give examples. | 3 |
|  | Describe process and main problems of creating hypothesis. | 3 |
|  | Show significance of forming up a conclusion of psychological research. | 3 |
|  | Make a table of forms of representation of research results. | 3 |
|  | Analyze psychophysiological researches and their structure. | 3 |
|  | Describe well-known experiments that met critics from the Ethical Committee. | 3 |
|  | Draw a table of innovative research methods of the brain. | 3 |
|  | Describe peculiarities of communication between researcher and participant. | 3 |
|  | Develop the example of your own virtual technology of data collecting. |  |
|  | Make an overview on general methods in psychology. | 3 |
|  | Present an overview on psychological methods. | 3 |
|  | Explain main functions and opportunities of using SPSS. | 3 |
|  | Define main mistakes of a researcher in the process of psychological research. | 3 |
|  | Explain ethics issues of experimental research in psychology. | 3 |
|  | Analyze case study as a research method in psychology. | 3 |
|  | Describe differences between laboratory and naturalistic observation. | 3 |
|  | Analyze advantages and disadvantages of test as a research method. | 3 |
|  | Reveal history of test formation as a research method. | 3 |
|  | Analyze advantages and disadvantages of interview as a research method. | 3 |
|  | Clarify advantages and disadvantages of observation as a research method. | 3 |
|  | Present advantages and disadvantages of experiment as a research method. | 3 |
|  | Write an essay “ Research with human and animal subjects” | 3 |
|  | Make an overview on descriptive statistics, name types and give examples. | 3 |
|  | Work out a historical overview on experiment as a research method. | 3 |
|  | Create a scheme of your own empirical part of dissertation. |  |
|  | Describe main steps of theoretical part of your own dissertation. | 3 |
|  | Write an essay “ Ethical principles of researcher” | 3 |
|  | Make a scheme of transformation from general scientific information to information in scientific papers. | 3 |
|  | Distinguish and explain steps of scientific paper publication. | 3 |

**Bureau of the faculty N.S. Zhubanazarova**

**Head of the Chair Z.B. Madalieva**

**Lecturer D.D. Duisenbekov**

**Expert \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**