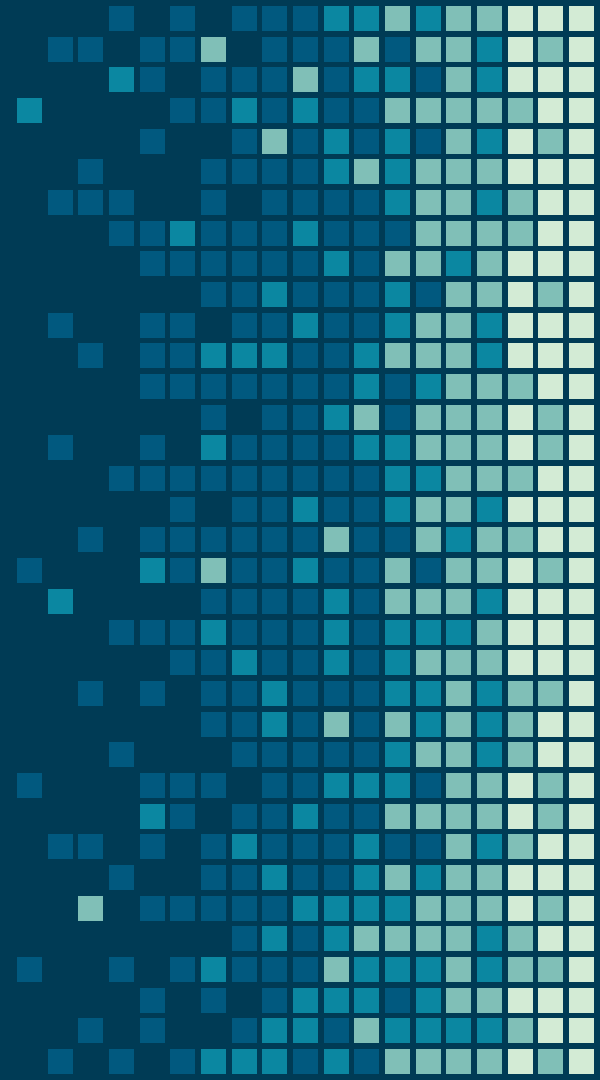# Comparative analysis of computer-based and paper-based examinations according to the candidates' outcomes and statistics of test items.
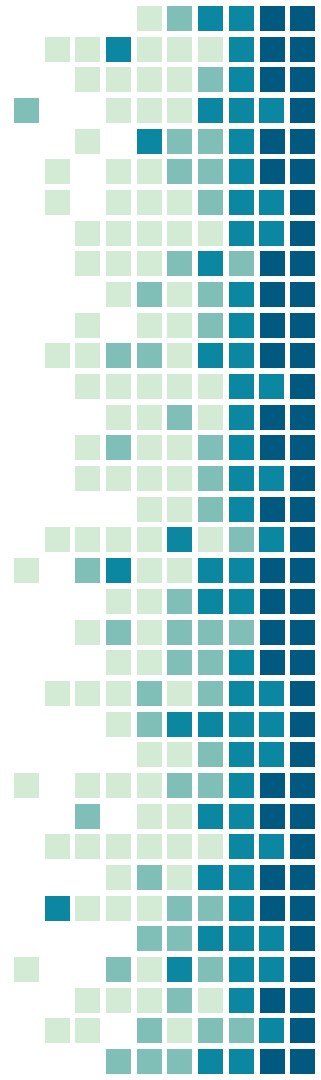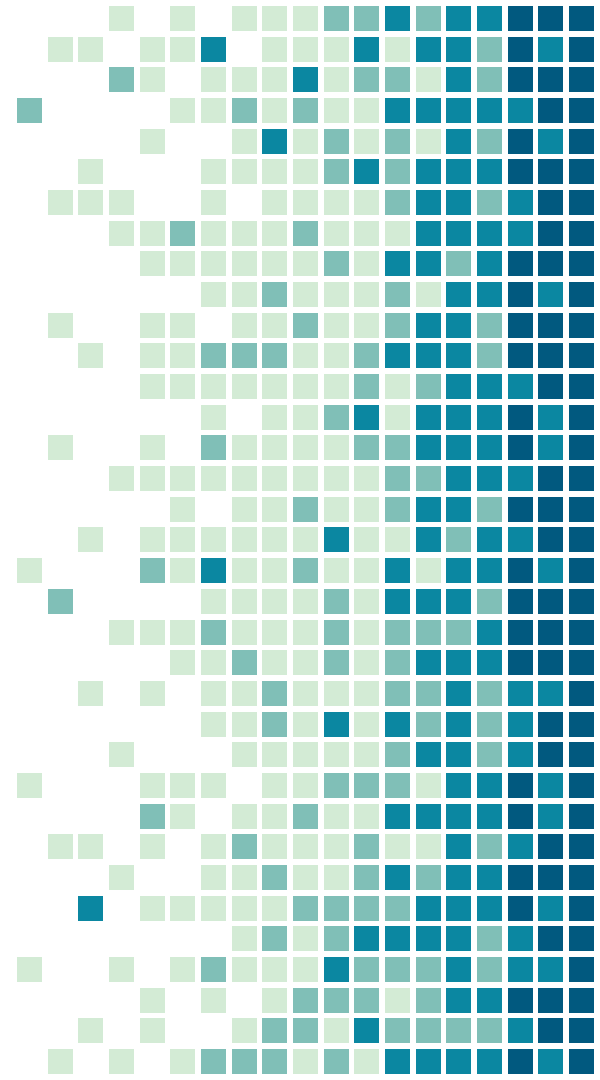
HELLO!

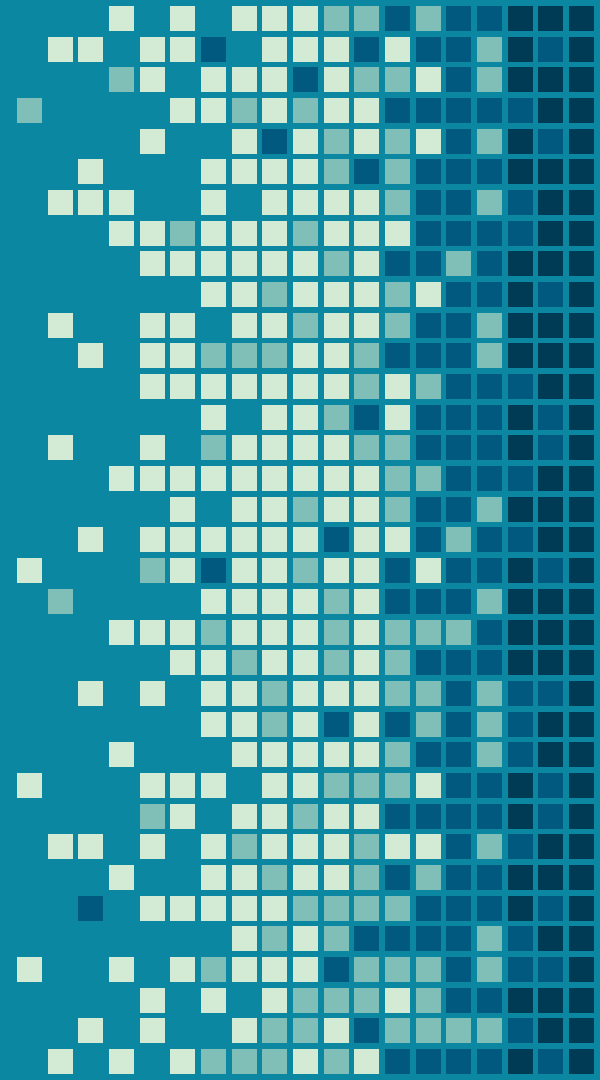I am Askarzada Said

Prepared by

- Mehraliyev Rahman (SEC, Sector manager)
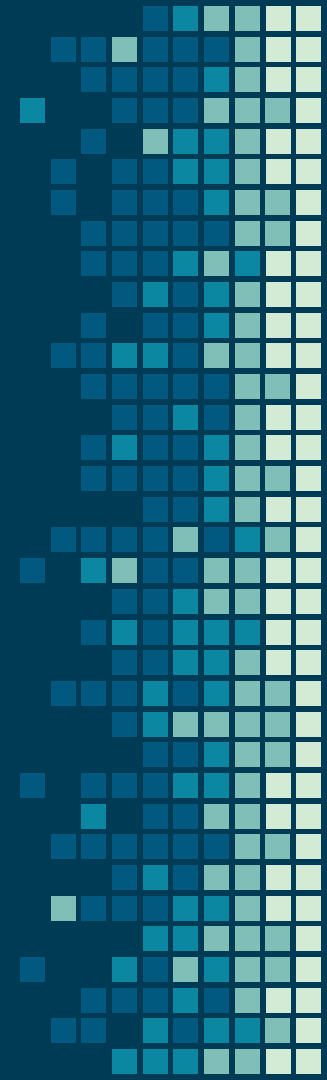- Askarzada Said (SEC, adviser)
- Quliyev Sarxan (SEC, chief adviser)

The comparison of the preparation process of testing–measurement materials for computer–based and paper–based examinations.

"The advantages and disadvantages of computer-based examinations.
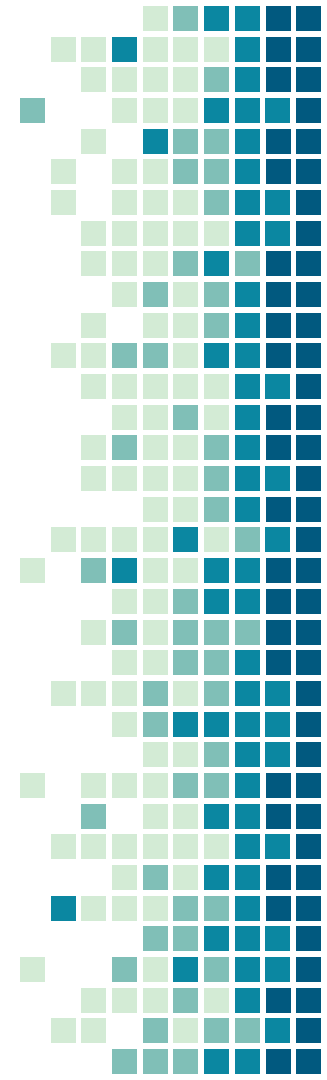
The advantages and disadvantages of paper-based examinations.

The different and similar aspects of the preparation process of testing–measurement materials for both types of examinations.
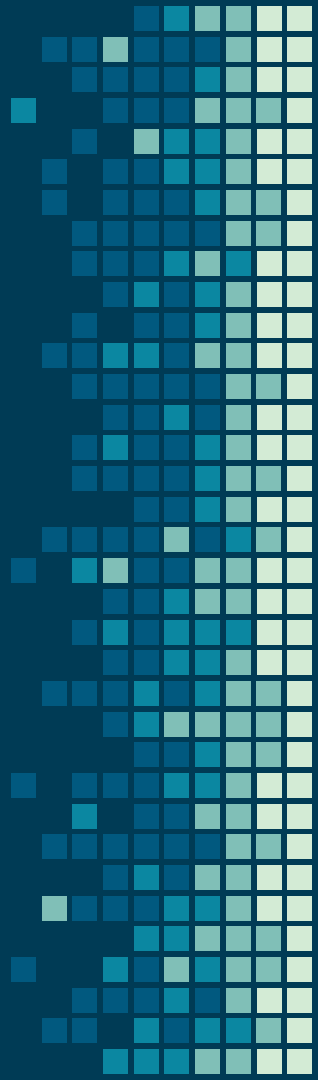
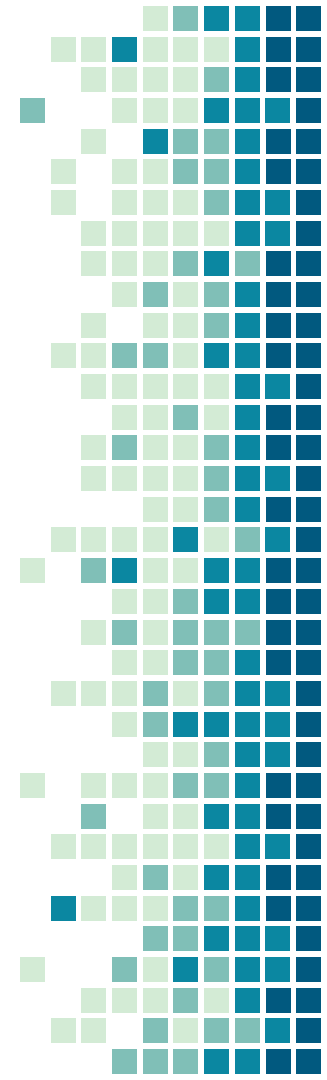Computer–based exams

Paper–based exams

General information about computer-based
and paper-based examinations
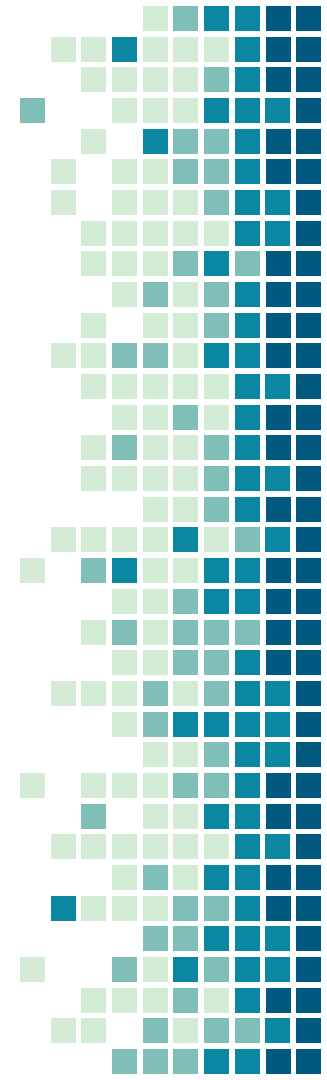held by the State Examination Centre.

THE CONCEPT

The software types used in the preparation process of testing–measurement materials.

- The software made by SEC staff

- Software based on Moodle

The comparative analysis of the statistics of the same-type of test items depending on the examination form.

- The comparison of statistical indicators of the same-type of test items used in both forms of examinations.
- The main factors affecting these statistical indicators.

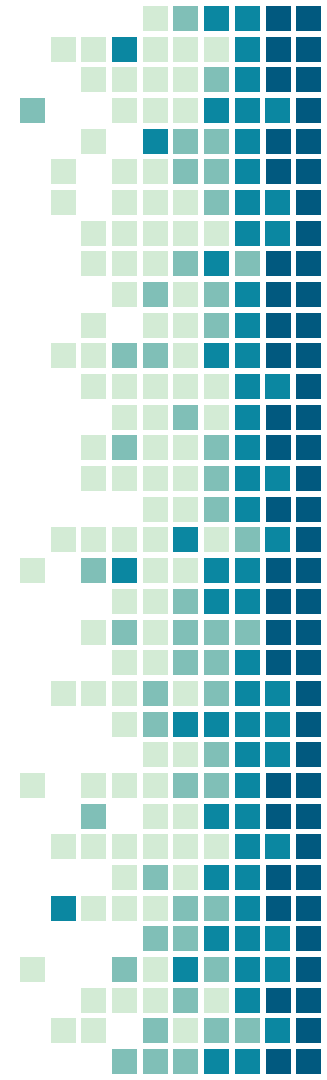Choose the correct variant.

A) 90   B) 68   C) 70   D) 96   E) 94

Computer-based exam's statistic indicators
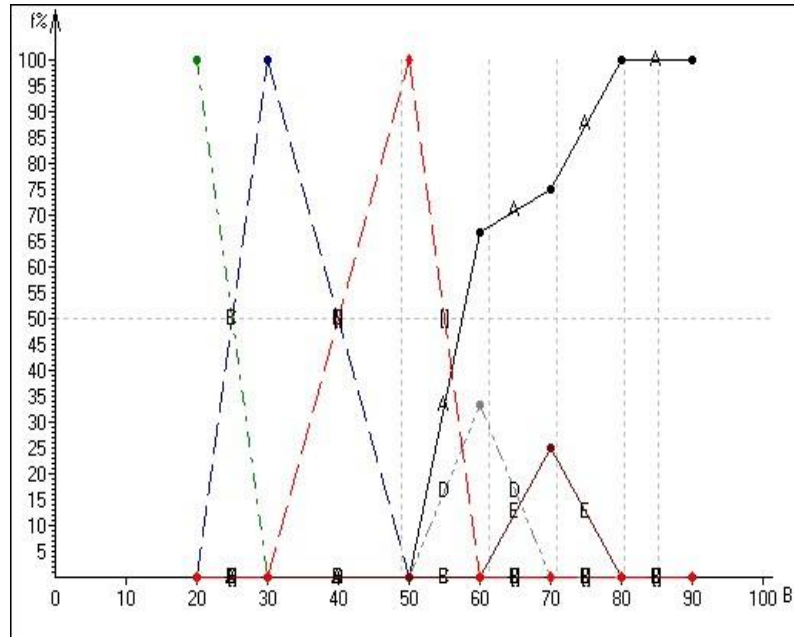
Correct variant: A

The number of candidates: 19

The number of correct answers (%):   13 (68.42%)

The number of wrong answers (%):   4 (21.05%)

Not answered: 2 (10.53%)

Paper-based exam's statistic indicators
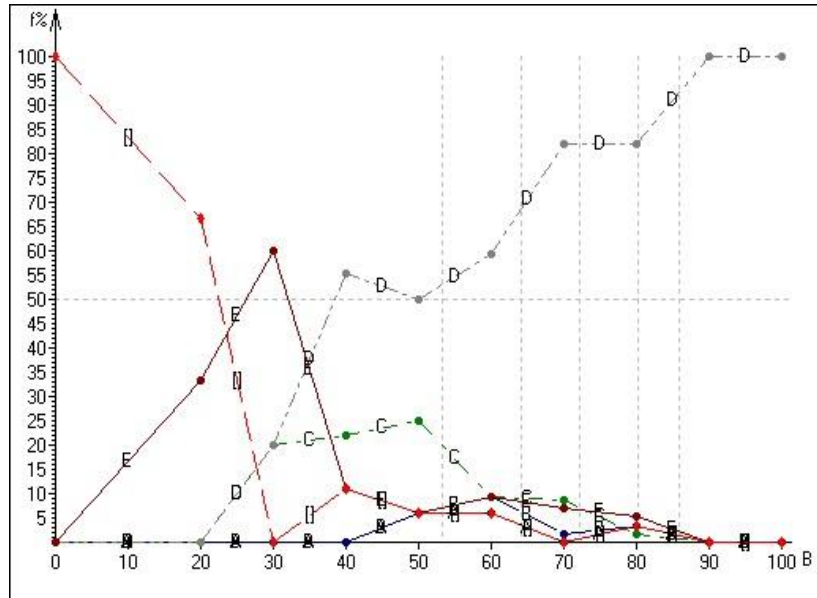
Correct variant : D

The number of candidates :   224

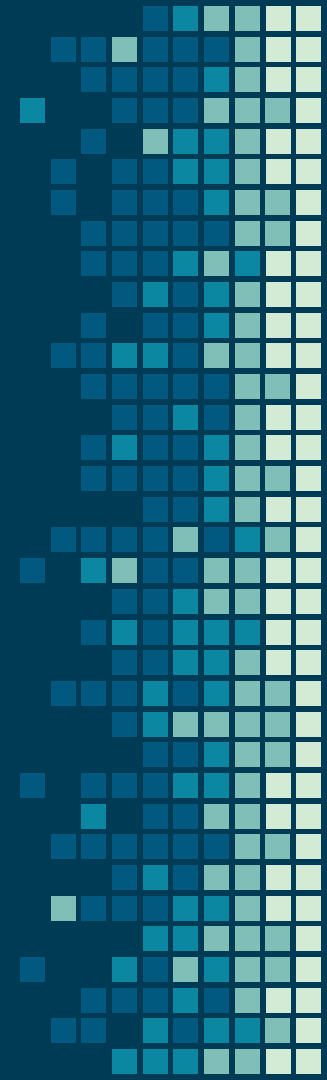The number of correct answers(%):   171 (76.34%)

The number of wrong answers(%):   45 (20.09%)

Not answered :   8 (3.57%)

In which measurement unit is font indicated (MS Word 2010)?
A) point
B) millimetre
C) centimetre
D) pixel
E) inch

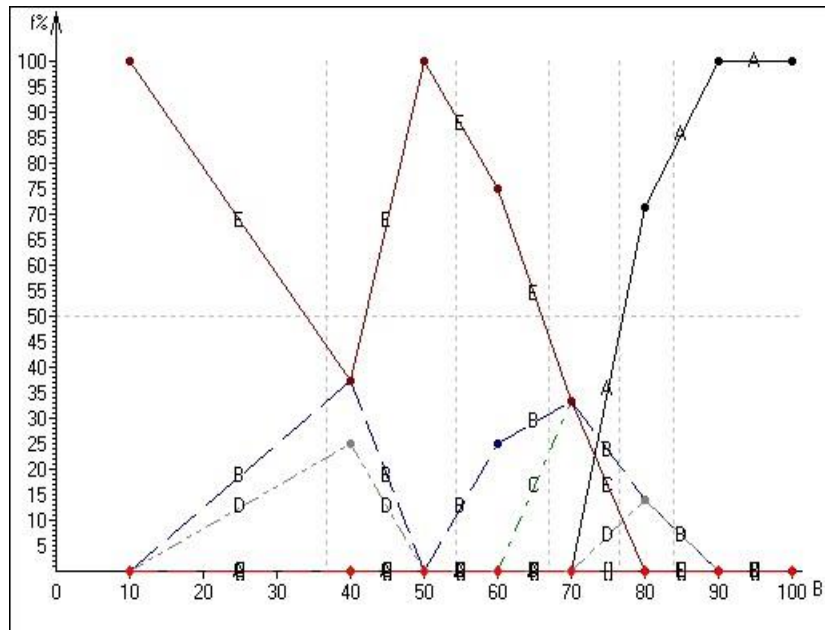# Computer-based exam's statistic indicators

Correct variant : A

The number of candidates : 32

The number of correct answers(%): 9 (28.13%)

The number of wrong answers(%): 23 (71.88%)

Not answered : 0 (0.00%)

Paper-based exam's statistic indicators
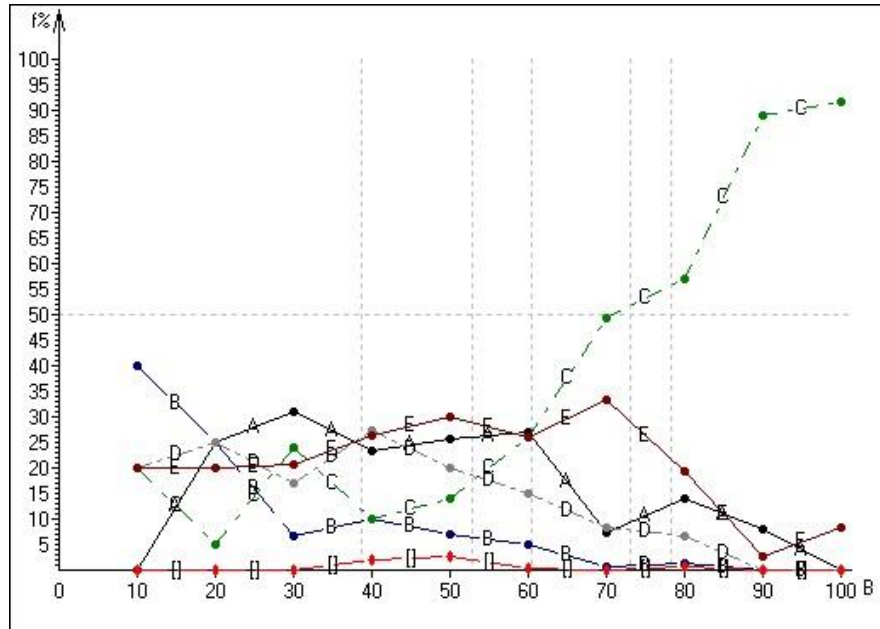
Correct variant : C

The number of candidates :   701

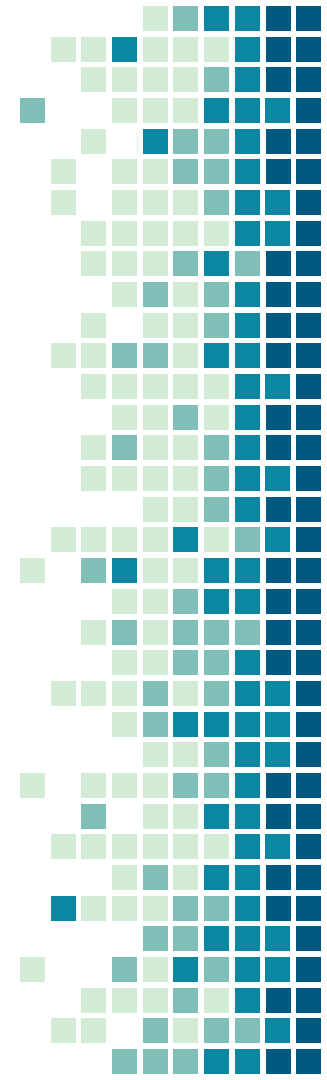The number of correct answers(%):   251 (35.81%)

The number of wrong answers(%):   446 (63.62%)

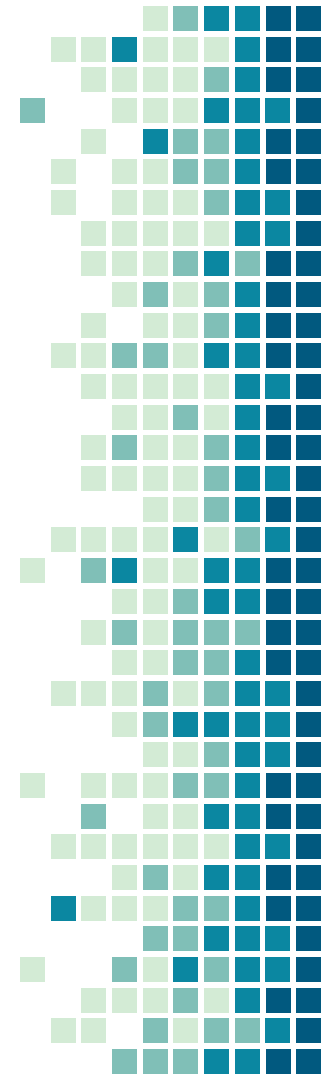Not answered :   4 (0.57%)

The effect of the examination form on the candidates' outcome.

- The comparison of the candidates' outcomes participated in both types of examinations.

- The main factors affecting the candidates' examination outcomes.

- The comparison
- The result

The result of the paper-based exam was about 5% higher than the outcome of the computer-based exam for the candidates participated in both types of assessment.

THANKS FOR ATTENTION!

Any questions?

You can find me at:

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