

ATI TEAS 6 TEST TOPIC GUIDE*

209

Minutes

170

Questions

4
SECTIONS



Reading



English & Language
Usage



Mathematics



Science

READING

53 questions | 64 minutes

Information Sources

- Primary, secondary, tertiary

Passage/Paragraph

- Summarize, topic Sentence
- What are: conclusions, implications, inferences, and predictions

Author

- Assumptions, biases, fact vs. opinion, intent of writing, point of view, stereotypes, tone

Graphic Information

- Maps, measurement, tables/charts, visual instruction

Vocabulary:

- Denotive vs connotative meanings of words/passages, phrase meaning, word meaning, word/phrase defined by context

Figures of Speech

- Alliteration, allusion, assonance, cliché, idiom, jargon, metaphor, neologisms, onomatopoeia, personification, simile, slang, synecdoche

Text Structure

- Chronology, formal vs. informal writing, list, problem/solution, sequence.

Type of Communications

- Announcement, blog, classified, directions, forum, invitation, memorandum, newsletter, newspaper, recipe, speech, television/radio

Information resources:

- Almanac, Anthology, Atlas, Bibliography, biography, concordance, dictionary, encyclopedia, handbook, index, journals, labels, newspaper, periodical, thesaurus, valid internet sites

Writing Type:

- Argument, Cause/effect, Compare/contrast, exposition, narrative, persuasive, poetry, problem solve, technical/scientific

MATHEMATICS

36 questions | 54 minutes

Arithmetic

- Addition, subtraction, multiplication, division, arithmetic terms, decimals, exponents and powers, fractions, mathematical symbols, Measures of central tendency, order of operations (what it is and how to apply it), percentage, place value, rational numbers, rounding numbers, signed numbers, square roots and cube roots

Changing phrases/sentences into equations

Algebra

- Absolute value, algebraic fractions, algebraic terms/symbols, analytical geometry, evaluating expressions, factoring, inequalities, key words indicating addition, subtraction, multiplication, division, monomials, ratio and proportion, roots and radicals, solving equations

Conversion from one measurement system to another

Geometry:

- Angles, circles, cube, cylinder, lines, perimeter, polygons, Pythagorean theorem, quadrilaterals (rectangles right triangle), surface area of solid figures, triangles, volume of solid figures

Word Problems:

- Key words/phrases, age, charts and tables, distance, geometry, numbers, percent, percent change, ratio and proportion, simple and compound interest, work/time

SCIENCE

53 questions | 63 minutes

Human Anatomy & Physiology

- A&P in general terms, cardiovascular system (Blood, formation, hemostasis, groups), Endocrine system, gastrointestinal system, immune system, integumentary system, muscular system, neurological system, renal system, reproductive system, respiratory system, skeletal system, vision/hearing

Life Sciences

- Biology: adaption, anatomical positions and directional terms, body tissues, cell and cell membranes, cell division, cell metabolism, classification systems, genetics (Mendel, Punnett squares), movement of substances, parts and functions of cells, Organic molecules (metabolism and cellular respiration, carbohydrates, fat and protein metabolism, nucleic acid, steroids, organs).

Scientific Reasoning

- Laboratory glassware, measurement tools, metric system, scientific inquiry: controls, design, event, object relationships, process, variables; Scientific method: analysis, conclusion, experimentation, hypothesis, investigation, problem identification.

Chemistry

- Acids and bases, atomic mass, atomic number, atomic structure, bonds/bonding, characteristics of substances, chemical reactions, compounds, electrons, ions, isotopes, periodic table of elements, pH

ENGLISH & LANGUAGE USAGE

28 questions | 28 minutes

Sentence Components

- Complement, direct object, indirect object, predicate, subject

Parts of Speech

- Adjective, adverb, conjunction, interjection, noun, pronoun, preposition, verb

Types of Sentences

- Simple, compound, complex, compound-complex

Punctuation

- Brackets, colon, dash, conjunction, comma, exclamation point, hyphen, parentheses, period, question mark, quotation marks, semicolon, solidus

Spelling

- Plurals, possessives, contractions, compound verbs, technical terms, slang, prefixes, root words, suffixes

Quotations

Vocabulary

- Commonly misspelled words, commonly misused words, formal use of words, informal use of words, word phrases

Writing

- Sentence formation, sentence structure, paragraphs, formal vs. informal writing

Capitalization

Abbreviations

TESTING TIPS

- Start by taking a practice test and identify the areas that you need more work on and areas to prioritize
- Set aside 4–6 weeks to study and review material
- Get familiar with the test set up, time for each section, number of questions, and question distribution
- Explore test stress/anxiety reduction strategies for leading up to the test and during the test
- Use a variety of resources
- When taking a pretest review the questions you got wrong and learn about why it was wrong
- Take practice tests as you go to measure your learning and to get an idea of how you might do on the test
- Your goal should be to score as high as possible, there is no minimum threshold that guarantees admission into a program