

HUMAT Test Guide 2027: free PDF download

Checked against Humanitas's official documents on 18 October 2026. The 2027/28 call is not out yet; figures are from 2026/27.

KEY FIGURES

60

questions, five options each

120 min

in three timed sections

6

subjects, ten questions each

960

maximum score

Everything you need to start preparing for the HUMAT, Humanitas University's admission test for Medicine and Surgery and MEDTEC: the format, the 2027 syllabus, how it is scored, a strategy and three sample questions with worked answers. Read it [here](#) or download it as a PDF. It follows Humanitas's own 2026/27 call and Syllabi 2027; the 2027/28 call is not out yet.

In short

- 60 multiple-choice questions, five options each, in English, sat online from home under remote invigilation, without a calculator.
- Three sections, each with its own clock: Scientific Thinking & Academic Literacy (45 minutes), Biology & Chemistry (35), Mathematics & Physics (40).

- A correct answer is worth +10 to +22 points depending on the section and the ranking; a wrong one costs a quarter of that; a blank scores 0.
- Every section has a minimum (88, 64 and 40 for Medicine and Surgery): miss one and you are not ranked, whatever your total.
- Two rounds a year, and only your better score counts.

What the HUMAT is

The HUMAT is Humanitas University's own admission test, the HU Admission Test in its calls, for its two English-taught medical degrees in Milan: Medicine and Surgery, and the MEDTEC School run with Politecnico di Milano. It is not the national IMAT. EU and non-EU candidates sit the same test and are ranked on separate lists.

Humanitas says the test's aim is "not to evaluate previous knowledge, but to measure the skills and abilities relevant to undertaking highly scientific courses of study". In practice a third of the paper is reasoning and reading, and the science questions reward applying a principle more than recalling a fact.

Format: three sections, 60 questions, 120 minutes

Section	Subjects	Questions	Time
1	Scientific Thinking, Academic Literacy	10 + 10	45 min
2	Biology, Chemistry	10 + 10	35 min
3	Mathematics, Physics	10 + 10	40 min

Section	Subjects	Questions	Time
Total	Six subjects	60	120 min

You can finish a section early but never go back to one you have closed. Six reserve questions, one per subject, follow the 60 with 12 more minutes; they count only if one of the 60 is withdrawn.

[The format in detail →](#)

The 2027 syllabus at a glance

Humanitas posted Syllabi 2027 on 1 October 2026. Shortened, subject by subject:

- Scientific Thinking: interpreting graphs and formulae, orders of magnitude, following a procedure or flow chart, testing data against a theory, three-dimensional and visual reasoning.
- Academic Literacy: scientific texts of about 700 words at C1 level; critical thinking, scanning, skimming and how paragraphs relate.
- Biology: the chemistry of living things, the cell, bioenergetics (new: the Krebs cycle, oxidative phosphorylation, fermentation), inheritance (new: ABO and Rhesus blood groups), molecular genetics, human physiology.
- Chemistry: atomic structure and the periodic table, bonding, reactions and stoichiometry, equilibrium (new: Le Chatelier, osmosis), acids and bases (new: Henderson-Hasselbalch), redox, introductory organic chemistry.
- Mathematics: algebra and functions, analytic geometry and trigonometry, logic, probability (new: conditional probability and Bayes' theorem) and statistics.
- Physics: kinematics and dynamics, fluids (new: gauge and absolute pressure) and optics, thermodynamics, electricity and magnetism.

Scoring and the section minimums

The same 60 answers are marked twice, once for each ranking, with different weights. A wrong answer always costs a quarter of a correct one in that section, so the maximum is 960 on both.

Points for a correct / wrong answer; a blank scores 0. From the 2026/27 call.

Section	Medicine and Surgery	MEDTEC School	Minimum (Medicine / MEDTEC)
Scientific Thinking & Academic Literacy	+22 / -5.5	+10 / -2.5	88 / 40
Biology & Chemistry	+16 / -4	+16 / -4	64 / 64
Mathematics & Physics	+10 / -2.5	+22 / -5.5	40 / 88

A strategy that fits the scoring

01

Respect the section clocks

Each section closes for good. Practise every section on its own timer: 2 minutes 15 seconds a question in the first, 1 minute 45 in the second, 2 minutes in the third.

02

Guess only after ruling options out

With five options and a quarter-point penalty, a blind guess is worth nothing on average. Rule out one option and a guess gains; rule out two and it gains a lot.

03

Never leave a section weak

A section below its minimum takes you off the ranking, so a strong total cannot rescue it. For Medicine, the first section carries the most points and the highest minimum.

04

Cover what is new in 2027

Bioenergetics, blood groups, Le Chatelier, buffers, conditional probability and Bayes' theorem joined the syllabus; photosynthesis and combinatorics left it.

05

Sit full papers, then review every miss

Take the free practice paper under real timing, then go through every wrong answer and every lucky guess before the next one.

06

Use both rounds

Only your better score of the two rounds counts, so the first round is also your best rehearsal.

Three sample questions with answers

01

Biology

In aerobic respiration, which stage produces the most ATP per molecule of glucose?
A) Glycolysis B) The link reaction C) The Krebs cycle D) Oxidative phosphorylation E) Alcoholic fermentation. Answer: D. Oxidative phosphorylation makes most of the ATP, using the NADH and FADH₂ from the earlier stages; glycolysis and the Krebs cycle make two each, the link reaction none, and fermentation is not part of aerobic respiration.

02

Mathematics

A test is positive in 90% of people with a condition and in 10% of people without it. 10% of a group have the condition. A person from the group tests positive: how likely is it that they have it? A) 9% B) 10% C) 50% D) 81% E) 90%. Answer: C. Positives with the condition are $0.1 \times 0.9 = 0.09$ of the group, positives without it $0.9 \times 0.1 = 0.09$, so half of all positives have it (Bayes' theorem).

03

Scientific Thinking

Kinetic energy is $E = \frac{1}{2}mv^2$. If an object's speed doubles and its mass halves, what happens to E ? A) It halves B) It stays the same C) It doubles D) It quadruples E) It increases eightfold. Answer: C. $\frac{1}{2} \times (m/2) \times (2v)^2 = \frac{1}{2} \times (m/2) \times 4v^2 = 2 \times \frac{1}{2}mv^2$.

60 more in the free practice paper →

Questions

Is the HUMAT Test Guide PDF free?

Yes. The PDF is free to download from this page, with no account or sign-up. It holds the same text as the page.

Does Humanitas publish an official HUMAT PDF?

Humanitas publishes the call, Syllabi 2027 (the official topic list), the scoring tables and a technical guide as PDFs, but no past papers or sample test. This guide and IvyTest's practice paper are IvyTest's own, written to that syllabus and format.

Is the guide up to date for 2027?

It follows Syllabi 2027, posted on 1 October 2026, and the 2026/27 call. The 2027/28 call, with the dates and any change to the format, was not out when this guide was last checked; when it is, the guide is updated.

Official sources

Every figure on this page was read on the source itself on the date above. (18 October 2026)

[Humanitas University · Call for applications for EU and EU-equated citizens, 2026/2027 \(English summary\)](#) 

[Humanitas University · Syllabi 2027: the HUMAT topics for the 2027 tests](#) 

[Humanitas University · Test evaluation: Medicine and Surgery](#) 

[Humanitas University · Test evaluation: MEDTEC School](#) 

[Humanitas University · Apply: Medicine and Surgery and MEDTEC School](#) 

Practise in the real format

The free practice paper has 60 questions in the current three-section format, every answer explained. When you want more, the IvyTest Humanitas package adds a full simulator, the study guide and lessons.

[Take the free HUMAT practice test](#) →

[See Humanitas preparation](#)

The HUMAT, one question at a time

HUMAT format: the three sections and their timing

HUMAT scoring: points, section minimums and when to guess

HUMAT test day: the online exam from home, step by step

Medicine or MEDTEC: one HUMAT, two rankings

HUMAT 2027 dates: registration, rounds and results

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[HUMAT score calculator](#)

Humanitas cut-off scores 2020–2026