



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

2025/2026 A.Y.
SCUOLA DI PSICOLOGIA
CALL FOR ADMISSION

*for degree programmes in English with **a limited number of places** in:*

- **PSYCHOLOGICAL SCIENCE**
- **TECHNIQUES AND METHODS IN PSYCHOLOGICAL SCIENCE**

Selection for EU and equated citizens



SUMMARY OF DEADLINES FOR 2025

PRE-ENROLL	From March 7 to April 7	
ADMISSION TEST	Take the test, which will be held approximately in mid-April .	
RANKING	Ranking list on May 7 from 3 p.m.	The deadlines for enrollment will be published alongside the ranking list.

Other deadlines

- A **secondary school diploma** must be obtained by **July 31, 2025**.
- An English language proficiency **certificate at a B2** level must be obtained by **July 31, 2025**.

N.B.: this document is the English translation of the Call for admission for Bachelor's degree programmes "Psychological science" and "Techniques and methods in psychological science".

The Italian version is available at <https://www.unipd.it/ammissioni-bps-temps>. If there is any dispute regarding the interpretation of the two versions, the Italian version shall take precedence

NOTE: The table of contents is clickable and refers to the paragraphs in the text to make navigation easier. However, we recommend paying attention to the information contained in the entire call for admission.

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1. GENERAL INFORMATION AND ADMISSION REQUIREMENTS

This call is intended for **Italian, European Union, or equivalent candidates**. This category includes:

- citizens of any member state of the European Union;
- citizens of Iceland, Liechtenstein, Norway, Switzerland, and the Republic of San Marino;
- citizens with dual citizenship, one of which is Italian/European;
- citizens of non-EU countries residing in Italy and holding a valid residence permit that allows enrolment in university, in accordance with the current regulations on enrolment: <https://www.unipd.it/en/stays-over-90-days-study> ;
- candidates holding an Italian qualification granting university access, regardless of their citizenship.

Non-EU candidates residing abroad who do not fall under any of the categories described will participate in a separate selection. The relevant call is available at <https://www.unipd.it/avvisi-ammissione-lauree-triennali-ciclo-unico>.

1.1 Courses, venues, and available places

Graduation Class Ministerial Decree 270/04	Degree programme	Registered office	Places available for EU* or equated citizens	Places for non-EU citizens residing abroad
L-24	Psychological science	Padua	55	45**
L-24	Techniques and methods in psychological science (the degree programme is mainly delivered online)	Padua	55	35**

* of the European Union

** places are assigned in a specific selection. In order to apply for the selection, it is necessary to refer to the relevant call for admission, published at <https://www.unipd.it/avvisi-ammissione-corsi>

General information on the content and organization of the Bachelor's degree programmes¹ is available in the following webpages:

- for the *Psychological science* bachelor's degree programme: www.unipd.it/en/psychological-science - for further information please contact: ba.bps@unipd.it
- for the *Techniques and methods in psychological science* degree programme: www.unipd.it/en/techniques-methods-psychological-science - for further information please contact: ba.temps@unipd.it.

¹ Activation of the first year of Degree Programmes is subject to their accreditation according to the provisions of D.M. (Ministerial Decree) no. 1154/2021 "Self-assessment, assessment, initial and periodic accreditation of venues and courses of study" and to the achievement of a minimum number of enrolments; therefore, if the Degree Programme is not accredited or if the number of enrolment applications submitted is less than the number approved annually by the Academic Senate (in any case a minimum of 5 for each curriculum), the Degree Programme will not be activated. All the information relating to the activation of the degree programme is published at <http://www.unipd.it>

1.2 Admission requirements

To be admitted to the 1st year of the degree programme, candidates must:

- 1) obtain **by 31 July 2025** an upper secondary school certificate or a foreign qualification recognised as suitable for access to university education in accordance with the applicable regulations (www.unipd.it/en/how-apply - with regard to this type of qualification, specific requirements are also assessed for admission purposes as specified at www.unipd.it/en/entry-title-requirements)
- 2) demonstrate an English language proficiency of at least **B2 level** (CEFR) by submitting a certificate **by 31 July 2025**, except in the specified cases of exemption. The list of accepted certificates, the relative minimum scores required and exemptions is available at www.unipd.it/en/language-requirement-admission-degree-programmes
- 3) apply for selection **from 7 March 2025 to no later than 11:59 pm (local time - GMT+1) on 7 April 2025**, by submitting the documents required for the evaluation of qualifications and for the formation of ranking lists. The procedure to be followed is different for those who hold a university degree, used for entry, obtained in Italy ([point 2.1](#)) or abroad ([point 2.2](#))
- 4) take the on-line English-Psy test at the University of Padua, as per [point 3](#), achieving a score of **10/50** or higher and be admitted in the ranking list.

1.3 Procedure for the preparation of the admission ranking list

Based on the score obtained in the entry test ([point 3](#)), a ranking lists will be drawn up for each of the two degree programmes in this call for admission. In the event of a tie, the scores obtained in the individual sections of the test by the tied candidates are checked, and those with higher scores in the following sections will take precedence, in order of priority:

- 1) numerical and verbal reasoning and comprehension skills
- 2) knowledge of basic mathematics
- 3) knowledge of biology.

In the event of a further tie, preference will be given to the youngest candidate.

N.B.: admission to the test is subject to the possession of the entry requirements and the eligibility of the qualification submitted.

Those who do not meet these requirements will not be able to join the degree programme as they are ineligible for admission, even if they obtain an adequate score in the test.

Candidates who fail to meet the deadlines specified in [point 1.2](#) will lose their position as successful candidates and their place in the ranking list.

1.4 Request for a personalised test for candidates with a disability, impairment, or SLD diagnosis

Candidates with disabilities, impairments, or specific learning disabilities (SLD), pursuant to Article 16 of Legge (Law) no. 104/1992 and Legge (Law) no. 170/2010, may request an admission test with additional time and/or personalised support by making an express request to the Student Service Office - Inclusion Unit.

Candidates with Italian entry title must send the support request within the pre-enrolment procedure in Uniweb ([point 2.1](#)). Any additional time granted will not exceed 50% (for disabilities) or 30% (for SLD) of the time allocated for the test.

All candidates, with Italian or foreign entry title, must send an email to inclusione.studenti@unipd.it no later than 11:59 pm (GMT+1) on 7 April 2025 attaching the following documents:

- **civil invalidity certificate and/or a certificate** pursuant to Legge (Law) no. 104 of 1992 issued by the medical committee for the relevant area, proving the type of disability (NO OMISSIONS) and, where envisaged, the recognised percentage of invalidity.
- **certificate of SLD diagnosis** issued no more than 3 years previously, if prior to the candidate's eighteenth birthday, or if subsequent to the candidate's eighteenth birthday, by state local health facilities or entities and professionals accredited with the regional health service. Where not already specified in the diagnosis, ask the accredited private facility for their accreditation code/no. In accordance with the provisions of the "Guidelines on Specific Learning Disorders" annexed to DM (Italian Ministerial Decree) no. 5669 of 12 July 2011, candidates with SLDs are granted additional time equal to a maximum of 30 per cent more than that defined for the admission test.
- Candidates with SLDs may request additional time and/or customised support with the medical certification they possess, even if it has expired. The new documentation, updated for the cycle of university studies, must be sent to inclusione.studenti@unipd.it by no later than 30 September 2025.
- Personalised Learning Plans (PLP) and diagnoses of SLDs issued before the last level of education (upper secondary education) and/or by non-accredited individuals or entities are not accepted under any circumstances.
- valid **identity or identification document**.

Candidates with a disability, invalidity, or SLD from EU and non-EU countries residing abroad who wish to benefit from personalised support must submit a certificate, which, where provided for under current international rules and regulations, has been legalised, of their disability, invalidity, or SLD condition issued in their country of residence, accompanied by a sworn translation or a translation certified by the Italian diplomatic services as conforming to the original text, in Italian or English. The Student Service Office - Inclusion Unit, which is in charge of examining these certificates, shall ascertain that the foreign documentation certifies a condition of invalidity, disability, or SLD recognised by Italian law.

The requested supports and/or aids may be granted after an appropriate assessment has been made by the Student Service Office – Inclusion Unit. No later than the day before a test takes place, candidates will be notified of any support and/or aids provided by an email sent by the Student Service Office - Inclusion Unit, inclusione.studenti@unipd.it.

If a candidate has a particularly complex condition, we suggest that they request an interview with dedicated staff, using the appropriate online form for an appointment request with the Inclusion Unit, to make their individual needs known: <https://web.unipd.it/prenotazioniservizi/settore-inclusione/>

Further information is available at www.unipd.it/accoglienza-prove-ingresso

1.5 Career Shortening

For any requests for career recognition or career shortening, students can refer to Annex 1.

2. APPLICATION AND DOCUMENTATION UPLOAD

2.1 Candidates with a qualification obtained in Italy

Registration on the Uniweb portal

If candidates are logging into Uniweb for the first time, they must create a new user account at www.uniweb.unipd.it by clicking on *Menu* → *Registration*.

At the end of the registration process, candidates will receive an email with a username and an activation code to log in to uniweb.unipd.it/password/index.php/it/utenti/identifica/azione/a, where they will be asked to set up three security questions and a password. With the username obtained and the password set, candidates can log in to their personal area.

In the event of problems with logging in, contact the University Call Centre (www.unipd.it/callcentre).

N.B.: the personal email address included in the Uniweb profile is the communication channel that will be used to communicate deadlines and to provide instructions for access to the degree programme. Emails sent for this purpose count as an official communication.

Pre-enrolment

Pre-enrolment must be submitted

from 7 March 2025 to no later than 11:59 pm (local time - GMT+1) on 7 April 2025.

To pre-enrol, candidates must log into www.uniweb.unipd.it and click on *Educational offer* → *Pre-enrolment with a limited number of places* → *Course Type* “Degree Programme” → “Psychological Science - Techniques and methods in psychological science”.

Candidates may take part in the selection for only one or both degree programmes.

Depending on their situation, candidates may proceed as follows:

- to take part in the selection for only one **degree programme**, candidates should specify only the preferred degree programme
- to take part in the selection for **both degree programmes**, candidates should specify their preference for both degree programmes.

The order of preference specified during pre-enrolment will not affect the ranking lists, which will be managed separately.

The following documents must be submitted for pre-enrolment:

a) for one's own personal data sheet:

- copy of an identity document: ID Card for EU citizens or a passport for non-EU citizens
- only for non-EU citizens residing in Italy: copy of residence permit

b) for the assessment of curricular requirements:

- if already held, certificate of English language proficiency of **B2 level** (CEFR) or higher, or documentation certifying that the candidate falls within the specified cases of exemption. The list of accepted certificates, the relative minimum scores required and exemptions is available at <https://www.unipd.it/en/language-requirement-admission-degree-programmes>.

Candidates who do not yet hold their **language certificate** at this time, may provisionally participate the selection process, and they are required to submit the language certificate **no later than 31 July 2025**. The procedures for submitting the certificate are disclosed at the same time as the publication of the ranking list.

Upon completion of pre-enrolment, the **€ 30.00 fee** must be paid via the PagoPA procedure (for further information: www.unipd.it/modalit-pagamento-pagopa).

Contacts and assistance: www.unipd.it/immatricolazioni and www.unipd.it/callcentre

2.2 Candidates with a qualification obtained abroad

The application must be submitted by accessing the personal area of the portal at <https://apply.unipd.it>

from 7 March 2025 to no later than 11:59 pm (local time - GMT+1) on 7 April 2025.

Those who are not yet registered need to enter their email address at <https://apply.unipd.it/applicant/register>. A PIN code will be generated and they will receive a verification email at the specified address in order to complete their registration.

N.B.: the personal email address included in the apply.unipd.it portal is the communication channel that will be used to communicate deadlines and to provide instructions for access to the degree programme. Emails sent for this purpose count as an official communication.

Candidates can choose up to three degree programmes from the portal, listing them in order of preference. After selecting the degree programmes, click on “*Apply now*” and fill in all the required fields.

The documents to be uploaded for the application are as follows:

a) for one's own personal data sheet:

- copy of an identity document: ID Card for EU citizens or a passport for non-EU citizens
- only for non-EU citizens residing in Italy: copy of residence permit

b) for the assessment of curricular requirements:

- upper secondary school certificate² (obtained after at least 12 years of schooling) or certificate of registration in the final year, with the relevant translation into Italian or English. If the certificate was obtained after a shorter period of schooling, the documents specified by the ministerial guidelines must also be uploaded:

https://universitaly-private.cineca.it/uploads/universitaly-pubblico/Trad_Circolare_2024-2025_studenti_internazionali_v2.pdf

- transcript of records (ToR), with the relevant translation into Italian or English

² If in the country where the upper secondary school certificate is awarded there is an academic aptitude entry test, proof of passing this test must also be uploaded.

- certificate of English language proficiency of **B2 level** (CEFR) or higher, or documentation certifying that the candidate falls within the specified cases of exemption. The list of accepted certificates, the relative minimum grades required and exemptions is available at <https://www.unipd.it/en/language-requirement-admission-degree-programmes>.

Candidates who do not yet hold their **language certificate** at this time, may provisionally participate the selection process, and they are required to submit the language certificate **no later than 31 July 2025**. The procedures for submitting the certificate are disclosed at the same time as the publication of the ranking list.

c) for completing the enrolment:

- authentication of the qualification or the CIMEA Statement of Verification are optional for the application, but are required **for the enrolment, and they must be submitted no later than 31 October 2025**.

The Admissions and Welcome Unit reserves the right to mandatorily request the CIMEA Statement of Comparability of the entry qualification if further verification of the qualification is deemed necessary.

Payment of a **€ 30.00** registration fee is also required. An email will be sent via the <https://apply.unipd.it> portal with instructions for payment through the PagoPA system.

Once **the required documents have been entered and payment has been completed**, the application must be submitted by clicking on the “**Submit**” button.

Contacts and assistance: international.admission@unipd.it.

3. ENGLISH-PSY ENTRY TEST

In order to take part in the selection process, it is necessary to take the Psychology entry test in English, which is delivered online by CISIA, a consortium of Italian universities to which the University of Padua also belongs.

Candidates will not need to register on the CISIA portal; they will be automatically registered for the test after successfully completing the application process as per [point 2](#), including payment of the required €30.00 fee.

The admission test will be delivered **online, approximately within the second half of April 2025**. The exact date will be announced **by the end of January 2025** at the following page <https://www.unipd.it/ammissioni-bps-temps>.

The test consists of **50 multiple-choice questions**, in English, with five answer options, of which only one is correct, on the following topics:

Sections	Number of questions	Maximum time available
Reading comprehension (2 texts for reading comprehension with 5 questions for each text)	10	20 minutes
Basic mathematics	10	20 minutes
Biology	10	15 minutes

Verbal reasoning	10	25 minutes
Numerical reasoning	10	20 minutes
TOTAL	50	100 minutes

The test Syllabus is available in [Annex 2](#). A maximum of fifty (50) points shall be awarded for the test, according to the following criteria:

- 1 point for each correct answer
- minus 0.25 points for each wrong answer
- 0 points for answer not given

To be included in the ranking list a minimum score of **10/50** is required.

To take the test candidates must:

- have a good internet connection for the duration of the test
- have a **desktop or laptop computer** for taking the test (tablets are not allowed for this purpose)
- have a smartphone, tablet or an additional PC to be used for the Zoom meeting, allowing the committee to check the correct performance of the test
- have a suitable room for taking the test.

When taking the test, candidates must comply with the Regulations for the use of CISIA tests taken remotely, available at:

www.cisiaonline.it/area-tematica-tolc-cisia/regolamenti/regolamento-tolccasa/

Further details on the above, in particular the technical features of devices and the type of room where the test can be taken are available at www.unipd.it/ammissioni-bps-temps. Candidates who, on the day of the test, do not meet the listed requirements, as verified by the examination commissioners, are excluded from taking the test and thus from the admission ranking lists.

Within the week prior to the admission test a document with further information about participation requirements will be published on www.unipd.it/ammissioni-bps-temps:

- the exact times of the test
- any other information required to take the test correctly.

N.B.: this published document counts as an official communication.

4. PUBLICATION OF RANKING LISTS AND ACCEPTANCE OF PLACES

4.1 Publication of ranking lists and deadlines for accepting places

As from **7 May 2025** on www.unipd.it/en/assessment-results the following documents will be published for both degree programmes:

- the merit ranking lists
- instructions for accepting the place.

Admission is subject to verification of the declared qualifications, the awarding of the qualification, if not yet held, and, in the case of a qualification awarded abroad, the submission of the documents specified on www.unipd.it/iscrizioni-studenti-internazionali.

Candidates who fail to meet the deadlines for obtaining and submitting the required qualifications ([point 1.2](#)) will lose their place in the ranking list.

Regular updates on the assignment of places according to the ranking lists are published on www.unipd.it/en/assessment-results.

N.B.: meeting the deadlines specified for accepting the place and for payment of the first instalment is mandatory; failure to meet them is equal to forfeiting one's place in the ranking list.

Candidates who do not yet hold their **language certificate** or **entry qualification** at the time of assignment of a place on the ranking list, may provisionally accept the place that they have successfully gained, and they are required to update their entry qualification data and submit the language certificate **no later than 31 July 2025**. The procedures for updating the qualification details and submitting the certificate are disclosed at the same time as the publication of the ranking list.

4.2 Student fees and benefits

The University of Padua offers scholarships and waivers of student fees to highly qualified and deserving international students with a foreign qualification who wish to register for a degree programme delivered entirely in English.

Further information on the opportunities and on the contribution required for enrolment, candidates can refer to www.unipd.it/en/tuition-fees

Contacts and assistance: benefici.studenti@unipd.it

4.3 Additional Learning Requirements (OFA)

The Additional Learning Requirement (Obbligo Formativo Aggiuntivo – OFA) is given to enrolled students who have scored, in the Englisys-PSY test, lower than the minimum threshold. The minimum scores and the additional learning requirements are the following:

- 4/10 in the “Biology” section - Biology Additional Learning Requirement;
- 4/10 in the “Basic Mathematics” section - Basic Mathematics Additional Learning Requirement.

Further information on the fulfillment of the OFA are available at the following page:

<https://www.psicologia.unipd.it/en/additional-learning-requirements>

5. PERSON RESPONSIBLE FOR THE PROCEDURE, PERSONAL DATA, NOTES, AND WARNINGS

Person responsible for the administrative selection procedure and for the Procedure for Accessing Documents: Director of the Student Office, Ms Maria Chiara Ferraresi.

This procedure will be handled according to the provisions of the "TOLC Regulations" available at: www.cisiaonline.it/area-tematica-tolc-cisia/regolamenti

and in the TOLC Regulations for participating university campuses, in accordance with the applicable regulations.

Data will be processed by CISIA - Consortium of Inter-University Integrated Access Systems - according to the "TOLC Regulations" available on www.cisiaonline.it/area-tematica-tolc-cisia/regolamenti/.

Further information on privacy and general admission regulations can be found on the following pages:

www.unipd.it/avvisi-ammissione-corsi

www.unipd.it/informativa-studenti.

For anything not specified in this Call for admission, reference should be made to the applicable Italian legislation.

Padua, 20/12/2024

THE RECTOR

Prof. Daniela Mapelli

digitally signed pursuant to D.lgs (Legislative Decree) no. 82/2005

ANNEX 1 - RECOGNITION OF PREVIOUS CREDITS AND CAREER ABBREVIATION

1. Request for credit recognition

To recognize previously acquired credits and abbreviate the academic career, an online preventive evaluation request must be submitted (typically between June and the first half of July 2025). Methods and deadlines will be published by June 2025 on the page www.unipd.it/domanda-valutazione.

The appointed commission issues a resolution containing the list of recognized educational activities/credits and the proposed year of admission, with the following criteria:

- recognition **less than or equal to 41 CFU** → **1st year**;
- recognition **between 42 and 71 CFU** → **2nd year**;
- recognition **greater than or equal to 72 CFU** → **3rd year**.

In order to recognize CFU and propose a year of admission, the following are considered:

- only fully recognized exams (partial validations are not considered)
- only validations proposed for exams already taken and registered at the time in which the credit recognition request is submitted.

For more information on the methods of recognizing educational activities, as well as for any clarifications on the received resolution, you can contact the Back office of your degree programme: www.unipd.it/backoffice-carriere-studenti - psicologia.studenti@unipd.it.

Candidates who wish to apply for credit recognition can participate in the first and second selection processes to ensure entry in the first year, even if these take place before making an application for credit recognition; in the event of admission, the recognition provided on the basis of a resolution will be validated and included in the career after enrolment.

2. Candidates eligible for admission to the 2nd and 3rd year

If the number of eligible candidates for admission to the 2nd and 3rd years of a course exceeds the number of available places, only admitted candidates may enroll in the 2nd and 3rd years.

For admission to each year of each course in this call, a merit ranking is drawn up, in order of score, based on the CFU and grades of fully recognized exams (for ranking purposes, partial validations are not considered). Only exams already taken and registered at the time of submitting the credit recognition request can be considered for calculating the year of admission; for ranking purposes, a maximum of 12 CFU for exams related to free credits are considered.

The score is calculated as follows:

- The grade of each recognized exam is multiplied by its respective CFU (in the calculation, the grade 30/30 with honors is counted as 33);
- The products obtained are then summed;
- The result of this sum is then multiplied by the weighted average of the grades of the recognized exams.

As an example, here's a scenario with three exams: exam A (6 cfu) grade 24; exam B (9 cfu) grade 30; exam C (6 cfu) grade 27:

ranking score = [(24 x 6) + (30 x 9) + (27 x 6)] x weighted average (which is equivalent to: [(24 x 6) + (30 x 9) + (27 x 6)]/21)

ranking score = 576 x 27.43 = 15799

In case of a tie, reference will be made to the date of birth with preference given to the younger candidate.

The rankings for access to years subsequent to the first will be published on the page <https://www.unipd.it/ammissioni-bps-temps> by September 2025.

After receiving the credit recognition decision and being admitted to any rankings for access to subsequent years, the deadlines for completing the course access procedures are as follows:

- Enrollment: from the date of publication of the ranking until September 30, 2025 (entire day);
- Incoming transfer: from the date of publication of the ranking until September 30, 2025 (entire day);
- Course change: from September 2 (or from the date of publication of the ranking, if later) until September 30, 2025 (entire day).

Admission proceeds in order of ranking. If places become available due to the withdrawal of admitted candidates, further selection will be carried out by direct call from the Settore Immatricolazioni e Prove di Accesso, in any case no later than October 31, 2025.

Instructions for completing enrollment, transfer, or course change after receiving the credit recognition decision are available on page www.unipd.it/istruzioniaccesso-triennali-magistrali-ciclounico

ANNEX 2: TOPICS (SYLLABUS) OF THE PSYCHOLOGY ENTRY TEST IN ENGLISH

Reading comprehension

The reading comprehension questions are designed to test language proficiency in terms of comprehension of the different types of use.

There are of three types of texts: non-fiction, journalistic and scientific texts. The questions will test essential grammatical skills (morphological and syntactic), possession of a sufficiently rich vocabulary, inferential skills, the ability to understand hierarchical relationships and to establish formal and semantic relations between the constituent parts of a text, as well as the ability to infer implied meaning and assumptions.

Non-fiction, journalistic and scientific texts may deal with phenomena, events and problems arising in the study of psychological, human and social sciences (e.g. history and philosophical thought) and current affairs.

Basic mathematics

The questions in this section will cover the following topics from the Mathematics syllabus typically taught in upper secondary schools.

Set theory: sets and basic set operations (union, intersection, difference, complement and Cartesian product).

Numerical sets: numerical sets and their properties, elementary operations, sorting and comparison. Absolute value. Prime numbers, decomposition into prime factors. Greatest common divisor and lowest common multiple. Powers and roots.

Algebraic expressions: basic algebra. Algebraic expressions. Operations with monomials and polynomials, remarkable products, decomposition of a polynomial into factors.

Equations and inequalities: equations and inequalities of the first degree. Basic information on equations and inequalities of the second degree and systems of linear equations.

Functions: definition of function. Qualitative graphs of elementary functions. Fundamental properties of functions: monotonicity, limitation, periodicity. Invertible functions and inverse function. Basic information on the following topics: domain, image and counter-image of an element; composition of functions; exponentials and logarithms.

Plane geometry: basic plane figures and their elementary properties. Pythagoras' theorem. Properties of similar triangles. Congruence criteria for triangles. Perimeter and area of basic plane figures (triangles, quadrilaterals, regular polygons and circles). Incidence, parallelism and perpendicularity between lines in the plane.

Analytical geometry: Cartesian coordinates in the plane. Distance between two points and midpoint of a segment. Straight line equations. Angular coefficient. Equation of a straight line with one of its points known and its angular coefficient. Equation of a straight line with two of its points known. Conditions of parallelism and perpendicularity. Incident, parallel and coincident straight lines.

Biology

The questions in this section will cover the following topics from the Biology syllabus typically taught in upper secondary schools.

Chemical composition of living organisms: bioelements. The properties of water. Molecules of biological interest: carbohydrates, lipids, amino acids and nucleotides. Structure and functions of macromolecules of biological interest: polysaccharides, nucleic acids and proteins.

Biology of the cell: cell organisation. Morpho-functional characteristics of eukaryotic cells. Main cellular constituents: cell membranes, cytoplasm, mitochondria, ribosomes, endoplasmic reticulum, Golgi apparatus, lysosomes, nucleus.

Cell cycle, reproduction, heredity: cell reproduction: mitosis and meiosis. Chromosome kit. Reproduction and heredity. Mendelian genetics. Classical genetics: chromosomal theory of heredity; sex chromosomes. Molecular genetics: DNA and genes; genetic code and its translation. The eukaryotic chromosome. Human genetics: transmission of mono- and multifactorial characters; hereditary diseases. Mutations.

Basics of human anatomy and physiology: the human organism: support and movement functions, nutrition, respiration, circulation, excretion; immune, endocrine and reproductive functions. The central nervous system: structural and functional bases.

Verbal reasoning

Verbal reasoning questions aim to highlight the ability to solve problems that require combining data and knowledge in non-immediate ways and making logical deductions with some degree of complexity. For example, one can ask whether a certain utterance, or its negation, is a logical consequence of other utterances in which the terms “if”, “then”, “all”, “none”, “some”, “at least one” are used.

Solving some problems may also require discovering a rule or a principle and applying it.

The questions examine: the ability to draw reliable conclusions from given premises and to reject incorrect solutions; the ability to discover a rule or a principle and apply it to solve a problem.

Questions may also concern the issue of a necessary or sufficient condition. In a certain situation and given certain premises, for example, one can be asked to establish whether a statement is true or false.

Numerical reasoning

Numerical reasoning questions are designed to test the ability to understand and process numerical, symbolic and formal information and to ascertain mathematical knowledge achieved in upper secondary school studies.

The questions aim to test the ability to perform calculations to obtain a correct answer, infer a solution in numerical expressions, identify a rule that explains a certain progression of numbers, understand relationships between numbers, reason with numbers, combine numerical relationships.

Questions may also concern the interpretation of various types of graphical representations and tables.

In general, these questions assess the candidate's ability to deal with numerical concepts and to reason with numbers.