



Dedicated to humanity

MEDICAL UNIVERSITY – PLOVDIV

ADMISSION GUIDE
FOR STUDENTS IN THE ENGLISH DEGREE
PROGRAMMES

(APPLICATION BASED ON A SECONDARY SCHOOL DIPLOMA)

ACADEMIC YEAR 2026/2027

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I. MEDICAL UNIVERSITY OF PLOVDIV

Medical University of Plovdiv is a state university accredited by the National Evaluation and Accreditation Agency. Founded in 1945, MU-Plovdiv has trained over 37 700 local and international students from 65 countries in Europe, Asia, America and Africa. The alumni are respected competent physicians and dentists, master pharmacists or eminent healthcare professionals in their home countries.

MU-Plovdiv has built modern infrastructure and constantly renovates its premises. It has developed successful partnerships with universities and research centres in the country and abroad. It is among the ten research university centres in Bulgaria. It is a member of the European Association of Universities and has been awarded the Erasmus University Charter, which ensures participation in international educational projects and EU programmes.

MU-Plovdiv is extending its integration in international networks for innovation and research in priority professional fields.

The training facilities have modern equipment for diagnostics, treatment, research, and training medical, dental, and other health specialists. Clinical training is provided in six university hospitals – University Hospital “Kaspela”, University Hospital “Pulmed”, University Hospital “Eurohospital”, University Hospital “Plovdiv”, University Hospital “Selena” and University Hospital “St. George” – the biggest hospital in the country with state-of-art and advanced technologies.

All member countries of the EU and EEA recognise diplomas issued by MU-Plovdiv.

MU-Plovdiv has signed over 150 academic agreements, Memoranda of understanding and inter-institutional partnerships under the Erasmus+ programme with universities from EU and non-EU countries. The University is a member of more than 15 international academic organizations and networks.

II. ADMISSION REGULATIONS

1. General information

1.1. Admission of students to the Medical University of Plovdiv (MU-Plovdiv) is in accordance with the Higher Education Act (HEA), the Ordinance on the State Requirements for Admission of Students to the Higher Education Institutions of the Republic of Bulgaria, and in accordance with the requirements specified in this guide.

1.2. MU-Plovdiv admits students in the English language degree programmes of the **regulated professions** for master's or bachelor's **full-time degrees**, according to Table 1.

Table 1.

№	Specialty	Educational Qualification Degree	Online exam
1.	Medicine	Master's	Biology Chemistry English language
2.	Dental Medicine		
3.	Pharmacy		
4.	Nursing	Bachelor's	

Note 1. For the specialty "Nursing" admission is possible solely on the basis of documents (admission score based on the marks in Biology, Chemistry and English from the diploma – see section 6).

1.3. MU-Plovdiv admits students **in English degree programmes solely on the basis of a paid tuition fee**, in accordance with Article 21 (paragraph 2 or paragraph 3), considering the capacity of the respective specialty and by signed agreement between the students and the Medical University of Plovdiv, as well as under the conditions of Article 95 (Paragraphs 8 and 10) of the Higher Education Act for the Educational Qualification Degrees – Bachelor and Master.

1.4. The number of places available for admission of students in the specialties under section 1.2, the application and tuition fees shall be approved by the Academic Board.

2. Application requirements

2.1. Applicants holding a secondary/high school diploma, providing them with access to higher education, may apply for training at the Medical University of Plovdiv:

- Foreign nationals/citizens of countries that are members of the European Union (EU) and the European Economic Area (EEA);
- Foreign nationals/citizens of countries outside the EU and EEA;

- Bulgarian citizens, including applicants with dual citizenship, one of which is Bulgarian.

2.2. Foreign and Bulgarian citizens who have completed secondary/high schools abroad may apply after recognition of their secondary education in accordance with Article 165 of the Pre-School and School Education Act following translation and legalization of the diploma and an Equivalency Certificate issued by National Centre for Information and Documentation <https://nacid.bg/bg/priznavane-na-sredno-obrazovanie-ot-chuzhdestranno-uchilishe/informaciya/>

2.3. Applicants are eligible to apply for one or more specialties but may enrol as a student in only one specialty.

2.4. Individuals who serve their sentence in prison at the beginning of the academic year cannot apply to the Medical University of Plovdiv.

2.5. Applicants must not be diagnosed with any illnesses disqualifying them from training and practising the profession for which they are applying.

Note 2. MU-Plovdiv does not provide specialised training of students with special needs.

3. Admission requirements

3.1. To have completed their secondary/high school education and to have obtained a Diploma/School Leaving Certificate entitling them to continue their studies at a higher education institution in the country of origin of the secondary school they have attended.

3.2. To have verified their secondary/high-school diploma by the National Centre for Information and Documentation (NACID) <https://nacid.bg/bg/priznavane-na-sredno-obrazovanie-ot-chuzhdestranno-uchilishe/informaciya/>

3.3. Elective Biology and Chemistry marks from the secondary/high school Diploma will not be considered.

3.4. The applicants should have attended Biology and Chemistry courses and have obtained an average score of not less than 62% of the maximum one based on the grading system in the country of origin of the secondary (high) school they have attended.

3.5. The applicants with an entry test result lower than the minimum positive score cannot participate in the ranking.

3.6. The applicants for the English degree programmes should prove their B1 language level according to the Common European Framework of Reference for Languages (CEFR) in one of the following ways:

- A secondary school diploma issued by a country where English is the official language/language of instruction.

- International Baccalaureate Diploma (obtained following training in English).
- By presenting one of the following certificates of proficiency in English valid up to the enrolment date:
 - Cambridge English Language Assessment (FCE, CAE, CPE).
 - IELTS Academic.
 - TOEFL iBT (computer-based test).
 - TOEFL PBT (paper-based test).
 - PTE Academic.
 - Michigan English Test (MET).
 - Trinity Integrated Skills in English (ISE) exam – Trinity College London.
- A Certificate issued by the Department of Languages and Specialised Training from a higher medical institution in Bulgaria.
- Diploma issued by a language school (where English is the first language of instruction) with a pass mark in the State Matriculation Exam in English.
- By sitting an exam – a Diagnostic English Language Test at the Medical University, administered during the application campaign to determine the English language level. The test is conducted along with the Entry tests in Biology and Chemistry.
- By sitting an exam – Diagnostic test in English organised and administered by the Department of Languages and Specialised training at the Medical University of Plovdiv.

4. Application documents and deadlines

4.1. A printed, completed, and signed application form generated from the information system through the applicant's profile (**Annex № 1**).

4.2. A copy of a secondary (high) school diploma and an academic transcript indicating the disciplines studied and the marks received respectively.

4.3. A certificate of completed secondary education issued by the National Centre for Information and Documentation (NACID) – <https://nacid.bg/bg/priznavane-na-sredno-obrazovanie-ot-chuzhdestranno-uchilishe/informaciya/>

4.4. An original document issued by a competent authority certifying the applicant's right to apply and continue their studies in a higher qualification degree at higher education institutions in the country of origin of the secondary school they have attended.

4.5. The documents referred to in sections 4.2 and 4.4 shall be required if the secondary/high school diploma is issued by a foreign country/abroad and must be legalized, translated and certified in accordance with the regulations of the international treaties of the Republic of Bulgaria with the country in

which they are issued. In the absence of the above-mentioned documents, the general procedure for legalizations, translations and certification of documents must be observed under the general procedure.

4.6. A copy of a valid citizenship document (for applicants with dual citizenship – a copy of both documents).

4.7. Four recent passport-size photographs 4/5 cm.

4.8. Both the paper and the electronic version (on a flash drive) of the documents referred to in sections 4.1 to 4.7 shall be submitted. Each of the documents is scanned into a separate file, with the photograph in **jpg** format and the rest of the documents (including certified translations) in **pdf** format.

4.9. The documents in sections 4.1 to 4.8 shall be submitted to the Admissions Office at the Student Affairs Department during the following period – **from 2 March to 11 September 2026** as follows:

- Personally.
- By an authorised by the applicant person. In this case, a notarized power of attorney letter (with legalization and certified translation) shall be presented.
- By post or courier services.

Documents should be submitted to the following address:

Student Affairs Department
Admissions office
University Information Centre, 1st floor
Medical University of Plovdiv
15A “Vasil Aprilov” Blvd.
Plovdiv 4002
Bulgaria

4.10. For non-EU and non-EEA citizens, the required documents from sections 4.1 to 4.8, submitted to the International Student Admissions Office between 2 March and 11 September 2026 shall be published on a dedicated platform of the Ministry of Education and Science for approval. Applicants approved for training shall be issued a Certificate by the Ministry of Education within 1 month. Then the applicants can apply in the Bulgarian Embassy located in the respective country for a visa type “D” (for long-term residence on the territory of the Republic of Bulgaria for the purpose of study), presenting the Certificate issued by the Ministry of Education and Science and a Certificate for accommodation issued by MU-Plovdiv. It is recommended to apply for the D visa in due time, so that applicants, in case they are included in the ranking list, can enrol and commence training within the specified deadline.

4.11. Technical errors related to the submission of documents and registration shall be corrected within the registration deadline for participation in the admission campaign.

4.12. Technical errors following the registration deadline will be reviewed and corrected, if possible, after a positive resolution of the submitted request to the attention of the Rector or Vice-Rector for Education, in charge of the admission campaign for the respective year.

4.13. No documents will be accepted after the deadlines specified in section 4.9.

5. Online application, entry test registration and fees

5.1. The entrance exam consists of two tests – Biology and Chemistry plus an English Language Diagnostic test (only for non-native English speakers who do not have any of the required valid English proficiency certificates)

5.2. The entrance exams are conducted online in one and the same day, following successful registration and payment of the administration entry test fee.

5.3. Registration is required online on the University website by the applicant or his/her authorized representative, strictly observing the instructions on the platform.

5.4. Payment of the administration processing fee is made online, following successful registration of the required personal data and requesting an examination date. The fee includes 30 EUR for data processing and 270 EUR for the entry tests per exam date.

5.5. The administration processing fee for the entrance exams for the re-sit date (one-off) is 400 EUR.

5.6. Payment of the administration processing fee is carried out solely online by card. For all payments made, applicants shall receive confirmation in their emails.

5.7. Applicants may withdraw their application or cancel their participation in the entrance exams during the registration period. Exam fees will be refunded following the registration deadline, while the fee for data processing is non-refundable.

5.8. Requests for fee refunds submitted following the application deadline will not be considered, and any fees paid will not be refunded.

5.9. The online application and registration procedure for the exam is considered successfully completed following an email receipt of a **document** with the exam details. The paid fee does not guarantee complete registration.

5.10. The online application and registration procedure for the exam is described in detail in **Annex №2**.

5.11. In order to participate in the online entry tests, applicants should observe certain technical requirements and have:

- A computer/laptop.
- A camera.
- A microphone.
- Headphones.
- Network connectivity with parameters not lower than 5 Mbps speed for downloading and 5 Mbps for uploading. Each candidate can check their network speed at Internet Speed Test/fast.com.

5.12. After the registration deadline, each successfully registered applicant will receive an email with a guide and instructions for the online exam, as well as a **link, username, password and invitation to join the exam group.**

For enquiries concerning the test registration you can write to the following e-mail: entry_tests@mu-plovdiv.bg

5.13. Instructions for the entry online exam – Annex №3

5.14. Registration timetable and examination dates according to Table 2

Table 2.

Entry tests	Exam date	Deadline for registration
Biology	15.04.2026	08.04.2026
Chemistry	15.05.2026	08.05.2026
	16.06.2026	09.06.2026
English Language Diagnostic Test	17.07.2026	10.07.2026
	18.08.2026	11.08.2026
	04.09.2026 – additional date for re-sit test	30.08.2026

5.15. Entry tests exams are organized and administered by the Medical University of Plovdiv and are conducted in English language.

5.16. Entry tests are held according to the programs announced by MU-Plovdiv.

5.17. Medical University of Plovdiv reserves the right to schedule and announce additional entrance exam dates.

6. Formation of the final competition score for the respective specialties

6.1. The final competition score for the specialties “Medicine”, “Dental Medicine” and “Pharmacy” for the master’s degree is the sum of the tripled marks from the entry test in Biology, the tripled marks from the entry test in Chemistry and the mark from the English Language Diagnostic Test. The maximum score is 42.00 and the minimum score is 21.00.

6.2. The final competition score for the specialty “Nursing” has two alternatives as follows:

- the sum of the tripled mark from the Biology entry test, the tripled mark from the Chemistry entry test and the mark from English Language Diagnostic Test;
- the sum of the tripled mark from Biology, Chemistry and English language from the secondary/high school diploma.

In formation of the final competition score in both above-mentioned alternatives, the applicant participates in the ranking list with the higher score. The maximum score is 42.00 and the minimum is 21.00.

6.3. In case of a missing mark in the competition scoring formula or in case of a mark lower than the average (3.00), the applicants shall not participate in the final ranking list.

7. Ranking

7.1. Ranking for all specialties is done **in descending order of the final competition score** and **in the order of the applicant's desired choice of specialty** and reason for admission.

7.2. Applicants shall be ranked according to the places approved by the Academic Board for the academic year 2026/2027.

7.3. Each month (from April to June) following the exams, one ranking with a respective enrolment deadline is announced.

7.4. The final ranking and the enrolment procedure is in September.

7.5. Schedule for ranking and enrolment:

Ranking for	Date	Deadline for enrolment
April	24.04.2026	27.04. to 30.04.2026
May	27.05.2026	28.05. to 03.06.2026
June	24.06.2026	25.06. to 01.07.2026
1 st ranking for September	15.09.2026	16.09. to 18.09.2026
2 nd ranking for September	24.09.2026	25.09. to 30.09.2026

- 7.6. An applicant who is ranked in a particular specialty is entitled to:
- **To enrol as a student within the announced deadline** in the course of study for which he/she has been ranked, following the procedure for enrolling students in section 8 “Enrolment of newly admitted students”. **An enrolled applicant shall not participate** in subsequent rankings, considering the fact that his/her desire has been satisfied with the choice and will be enrolled in the specialty to which he/she has been admitted

OR

- **To submit a declaration within the announced deadline** (online) for participation in the next ranking (in case he/she is not admitted in the first specialty of his or her choice within the announced deadline. An applicant who has submitted a declaration takes part in the next ranking in order of the desired specialties. The applicant retains their place in the specialty to which they have been admitted if they are not ranked in a higher-priority specialty
- 7.7. The applicants who have not enrolled within the announced deadline or have not submitted a declaration for participation in the next ranking **shall be disqualified** from participation in the subsequent rankings.
- 7.8. Applicants who are not admitted in the rankings from April to June may participate in the September rankings after submitting an online declaration for participation.
- 7.9. The rankings are announced on the official website of MU-Plovdiv: <http://mu-plovdiv.bg/> in the “Rankings” menu of the Admission Campaign 2026.
- 7.10. **Applicants can inform themselves** about the results of the rankings from the website of MU-Plovdiv: <http://mu-plovdiv.bg/> in the “Rankings” menu of the Admission Campaign 2026 and through their personal account.
- 7.11. Applicants who have submitted documents with false content and have filled in false data in the application documents in order to mislead the Admission Committee and the University Authorities, shall be disqualified from participation in the competition. If the violation is detected following admission, the student shall be withdrawn regardless of the course of study and the relevant authorities shall be notified to impose punitive measures.
- 7.12. Applicants ranked with the same score in the last place in the ranking list are admitted apart from the announced places.
- 7.13. All unforeseen and unresolved in the Admission Guide cases shall be decided by the Rector of MU-Plovdiv following a report on behalf of the Vice-Rector for Educational Activities, acting as Chairperson of the Admission Campaign for the respective year.

8. Enrolment of newly admitted students

8.1. The applicants who are included in the ranking list shall enrol as students at MU-Plovdiv **within the announced deadline** as follows:

- For those admitted from April to June – online.
- For those admitted in September – in person.

8.2. When registering online (only for those admitted from April to June) **within the announced deadline**, it is required:

- To sign an online consent/declaration (**Annex №4**) for pre-enrolment registration.
- To pay by card through their personal applicant's account, an administrative processing fee for pre-enrolment registration of 2000 euros, which is part of the tuition fee for the 1st Semester of the academic year 2026/2027, approved by decision of the Academic Board-Protocol № 1/06.02.2026.
- **By 11.09.2026**, to submit **all required documents** described in section 4 to the Admissions Office at MU-Plovdiv and pay the difference/balance between the tuition fee for the first semester of the 2025/2026 academic year and the already paid administrative tuition fee of 2000 euros.
- **By 11.09.2026** to enrol as a student at the University (in person or through an authorised representative), submitting to the relevant academic departments of the respective faculties the documents described in section/item 4.

Note 3. In case of non-compliance with the procedure and deadlines for online enrolment announced in section 8.2, the ranked applicant will lose his/her place.

Note 4. The administration fee of EUR 2 000 is non-refundable in case the applicant quits the enrolment at his/her own request.

8.3. Upon enrolment on the spot the applicant is required:

- To pay the semester tuition fee for the 1st semester of the academic year 2026/2027 by card through the applicant's personal account.
- To submit all required documents as described in section 4 to the Admissions Office.
- To sign the agreement for training based on the payment for the respective specialty.
- To present a set of completed enrolment documents (from the University).

8.4. When enrolling at the University (in person or through an authorized representative), applicants **shall submit** the following documents **to the relevant academic departments** in the respective faculties;

- A set of completed enrolment documents (from the University);
- A copy of the secondary/high school diploma and academic transcripts of the courses and marks (with translation and legalization);

- An original copy and a copy of the Diploma Equivalency Certificate issued by NACID. The original shall be returned following verification.
- A document issued by a competent authority certifying the applicant's right to continue his/her studies in higher education institutions in the country of origin where the secondary school education has been obtained. (translated and legalized);
- A copy of a valid citizenship document (for applicants with dual citizenship, a copy of both documents);
- A signed contract between the student and University;
- Four recent passport-size photographs format 4/5 cm.

8.5. Addresses of the respective Faculties:

- **“Medicine”** – University Information Centre, 2nd floor, 15 A “Vasil Aprilov” Blvd.;
- **“Pharmacy”** – Faculty of Pharmacy, 2nd floor, “Vasil Aprilov” Blvd. № 15 A;
- **“Dental Medicine”** – Faculty of Dental Medicine, “Hristo Botev” Blvd. № 3;
- **“Nursing”** – Faculty of Public Health, “Vasil Aprilov” Blvd. 15 A.

III. SPECIALTIES

Applicants may apply for a degree programme after taking the required entrance **exams** and obtaining a **competitive score, as outlined in Item 8 of Section II – Admission Regulations.**

1. Medicine

Faculty of Medicine**Professional field:** Medicine**Educational qualification degree:** Master's**Form of study:** full-time**Term of study:** 6 years (12 semesters)**Professional qualification:** master-physician

Description of the specialty

The Medical Faculty (MF) of MU of Plovdiv has a long-standing tradition in medical education, offering programmes in both Bulgarian and English. Training in the specialty is structured in alignment with the university's strategic objectives, with the primary goal of preparing highly qualified specialists with advanced medical education, capable of applying and furthering scientific knowledge and skills across all fields of healthcare.

The programme at the Medical Faculty of MU of Plovdiv is full-time, lasting six years, and includes preclinical and clinical disciplines over 10 semesters, followed by a clinical internship and a one-year pre-graduation internship in a real healthcare environment. The pre-graduation internship is carefully designed to ensure high-level professional training across five different specialties and fosters the acquisition of key competencies in the field. All curricula are updated in compliance with the contemporary development of the specialty and in accordance with the changing requirements for practice and European regulations and standards. There is a system of rules and activities concerning the motivation and active position of students in the process of training in the respective specialty of the regulated professions.

Alongside traditional teaching methods, the Faculty of Medicine integrates modern educational approaches, incorporating advanced instructional technologies and interactive learning tools. Interactive approaches are applied, which contribute to the development of communicative skills and are an important stimulus for the motivation and active position of students in the learning process. The Faculty also actively supports student involvement in research, providing opportunities for participation in academic clubs, projects, conferences, and seminars.

Medical education at the Medical University of Plovdiv is delivered by highly qualified lecturers who are experts in their respective fields. This ensures the development of competent, competitive, and motivated professionals who successfully establish careers both nationally and internationally.

2. Dental Medicine

Faculty of Dental Medicine

Professional field: Dental medicine

Educational qualification: Master's

Form of study: full-time

Duration of study: 5 years (10 semesters + 9 months of pre-graduation internship)

Professional qualification: Master of Dental Medicine

Description of the specialty

The Dental Medicine programme was initiated at the Higher Medical Institute in Plovdiv in 1970 by an Act of the Council of Ministers of the Republic of Bulgaria. In 1974 the Faculty of Dental medicine was established as an independent educational and medical structure of the Higher Medical Institute. Since October 2006, the Faculty has been housed in a modern facility at the foot of Mladezhki Hill, providing an excellent learning environment.

The Faculty of Dental Medicine offers training in Bulgarian and English for international students. The curriculum and syllabi, teaching methods, and assessment of acquired knowledge and skills fully comply with European Union Directives while preserving the Faculty's rich traditions and expertise in dental education.

Since 2018, in collaboration with the Bulgarian Dental Association and its branch in Plovdiv, the Faculty has been organizing the Scientific Congress "Science and Practice – Hand in Hand", bringing together dentists from across the country.

In 2020, the Faculty established the "Podem" Continuing Education Center, which provides advanced training for dental professionals through specialized courses and lectures.

The equipment in the clinical rooms is constantly updated, which improves the conditions for academic work.

The Faculty boasts fully equipped lecture halls, phantom laboratories, pre-clinical training rooms, and clinical halls, all designed to support high-quality education.

Additionally, the phantom rooms and dental technician department have been completely modernized with cutting-edge equipment.

3. Pharmacy

Faculty: Pharmacy

Professional field: Pharmacy

Educational qualification: Master's

Form of study: full-time

Duration of study: 5 years (9 semesters + 6 months of pre-graduation internship)

Professional qualification: Master of Pharmacy – physician

Description of the specialty

The Faculty of Pharmacy was established as a core academic unit within Medical University of Plovdiv in 2006. The mission of the Pharmacy programme is to provide comprehensive and modern pharmaceutical education, equipping students with knowledge, skills, and ethical values in line with European and global standards.

The programme is offered in both Bulgarian and English, accommodating international students. The compulsory subjects (both fundamental and specialized) are structured in a logical sequence from the first to the ninth semester, ensuring strong interconnections between disciplines. Elective courses allow students to gain additional specialized training. The Pharmacy diploma is recognized across the European Union, and graduates receive a European Diploma Supplement in English, issued in compliance with the applicable State Standard. The degree enables graduates to pursue postgraduate education, including specializations and further studies leading to the Doctor of Philosophy (PhD) degree.

Graduates with the Master of Pharmacy qualification are eligible to work in: Community and hospital pharmacies; pharmaceutical companies and representative offices; manufacturing enterprises and medicinal product distribution; government agencies and institutions overseeing pharmaceutical policy and regulatory control; professional organizations; control-analytical laboratories; research and clinical laboratories.

4. Nursing

Faculty: Public Health

Professional Field: Health Care

Educational qualification: Bachelor's

Form of study: full-time

Duration of study: 4 years (6 semesters + 2 semesters of pre-graduation internship)

Professional qualification: Nurse

Description of the specialty

The Nursing programme was established in 1942 and is part of the **regulated professions within the Health Care professional field**. The programme aims to prepare highly qualified healthcare professionals, adhering to European standards for a Bachelor's degree and **the Unified State Requirements (USR) set by the Ministry of Education and Science**. These regulations define the scope of professional competence and the practical skills students must acquire.

Applicants must have completed secondary education and successfully passed a written competitive examination in ethics, as outlined in the University Admission Regulations, which are updated and approved annually by the Academic Council.

The programme follows a full-time curriculum spanning 4 academic years (8 semesters) and includes both theoretical and practical training. Theoretical training takes place over 6 semesters, covering compulsory, elective, and optional courses through lectures, seminars, and practical seminars. Practical training is conducted through clinical and a pre-graduation internships.

During their training students acquire the necessary knowledge and skills for the application of quality nursing care related to theoretical and practical basics of general and specialized nursing care, health promotion, prevention and treatment of diseases in hospitals and outpatient care, child care, school offices, homes for the elderly people and other social institutions, foreign language, modern information and communication technologies in the health care system.

The acquired theoretical knowledge and practical skills allow the graduates to work independently or in a team in different sectors of the health system: outpatient and inpatient care facilities, including Emergency Medical Care Centres, Transfusion Haematology Centres, Mental Health Centres, medical and social care homes, hospices, regional health inspections, National Health Insurance Fund, school health offices, etc.

Graduates holding a Bachelor's degree in Nursing can further their education through Master's programmes such as:

Health Care Management; Public Health and Health Management; Management of Medical and Social Activities and Public Health. Additionally, they may pursue a Doctoral degree in Health Care Management within the Public Health professional field (7.4).

IV. ENTRY TEST SYLLABI

1. Biology

1.1. Syllabus

No	Topics
1.	The Cell
2.	Tissues. Epithelial and Connective tissue.
3.	Tissues: Muscle and nerve tissue.
4.	The organism as a unified whole
5.	Digestive system: Nutrition
6.	Digestion. Digestion in the oral cavity.
7.	Digestion in the stomach and intestines. Structure and functions of the intestines. Small and large intestine. Digestive glands
8.	Hygiene and Health Knowledge of the Digestive system
9.	Respiratory system. Structure and Functions of Respiratory organs
10.	Respiratory system: Breathing
11.	Hygiene and Health Knowledge of the Respiratory System
12.	Excretory System. Excretion.
13.	Hygiene and Health Knowledge of the Excretory System
14.	Cardiovascular System. Heart and blood vessels.
15.	Cardiovascular System. Blood
16.	Cardiovascular system. Cardiac activity. Blood Circulation.
17.	Immunity
18.	Hygiene and health knowledge of the Cardiovascular System
19.	Musculoskeletal System: Structure of Bones and Joints; Skull
20.	Musculoskeletal System: Vertebral Column, Rib Cage, and limbs
21.	Musculoskeletal System: Muscles
22.	Reproductive system. Male Reproductive System
23.	Reproductive System. Female Reproductive System
24.	Fertilization. Embryonic and Post-Embryonic Development.
25.	Nervous System. Spinal cord
26.	Nervous System. Brain
27.	Nervous System. Cerebrum.
28.	Nervous System. Autonomic Nervous System
29.	Endocrine System. Pituitary, Pineal, Thyroid, and Parathyroid Glands
30.	Endocrine System. Pancreas, Adrenal Glands, and Gonads

№	Topics
31.	Sensory Systems: Visual Analyzer
32.	Other Sensory Systems: Auditory, Balance, Taste, and Olfactory Analysers
33.	Skin: Structure and Functions: Thermoregulation
34.	Chemical Composition of the Cell
35.	Carbohydrates and lipids
36.	Proteins
37.	Enzymes
38.	Nucleic Acids: DNA and RNA; Types of RNA
39.	Supermolecular Complexes: Viruses
40.	The cell: Basic Unit of Living Matter
41.	Prokaryotic Cell
42.	Eukaryotic Cell
43.	Cell Membrane
44.	Non-membranous and single-membrane organelles
45.	Double-membrane organelles
46.	Cell Nucleus
47.	Genetic processes. Replication – DNA biosynthesis
48.	Realization of Genetic Information: Transcription and Translation
49.	Cell Division: Amitosis and Mitosis
50.	Meiosis
51.	Cell Cycle and Cellular Differentiation.

1.2. Recommended Literature and Sources for Independent Preparation

Biology and Health Education for 9th Grade – Part 1 – English edition, Vladimir Ovcharov, Ognyan Dimitrov, Kameliya Yotovska, Mariana Hristova, Tanya Dimitrova, ISBN 978-954-18-1360-7

Biology and Health Education for 9th Grade – Part 2 – English edition, Vladimir Ovcharov, Ognyan Dimitrov, Kameliya Yotovska, Mariana Hristova, Tanya Dimitrova, ISBN 978-954-18-1455-0

1.3. Guidelines for the Online Biology Entrance Exam

The Biology entrance exam is an online, anonymous test consisting of various tasks. The topics included are based on the provided syllabus. The exam consists of six different tasks, including:

- Twenty multiple-choice questions, each with a single correct answer.
- Identifying 10 correct statements out of 20 given.

- Matching 6 biological terms with their corresponding definitions.
- Labelling the components in a provided diagram related to anatomy, molecular biology, or cell biology, and answering associated questions.
- Completing a comparative table to characterize two processes, molecules, structures, etc.
- Identifying 4 incorrect words in a text, replacing them with correct ones, and answering additional questions related to the text.

Applicants must demonstrate knowledge in describing key fundamental biological terms, the ability to analyse information, and provide precise and accurate answers. The entrance exam is similar but not identical to the sample tests published online and the exercises found in the recommended study materials. Each task is assigned a specific number of points, and the total score is converted into a final grade ranging from 2.00 (Poor/Fail) to 6.00 (Excellent). The minimum passing grade being average 3.00.

1.4. Biology entrance exam (example)

I. Choose the correct answer: (max. 20 points)

- The plasma membrane is composed of:

a) proteins only	b) carbohydrates only
c) lipids and proteins	d) lipids and salts
- Ribosomes are the site of:

a) lipid synthesis	b) ATP synthesis
c) protein synthesis	d) DNA replication
- Lysosomes contain:

a) hormones	b) DNA
c) hydrolytic enzymes	d) ribosomes
- Amino acids are linked by a:

a) hydrogen bond	b) ionic bond
c) peptide bond	d) glycosidic bond
- DNA contains the sugar:

a) ribose	b) fructose
c) sucrose	d) deoxyribose
- Transcription is the synthesis of:

a) DNA	b) proteins
c) RNA	d) lipids
- A polysome is:

a) a cluster of DNA molecules	b) a cluster of RNA molecules
c) multiple ribosomes on one DNA	d) multiple ribosomes on one mRNA

8. Bacteria contain:
- a) nucleus
 - b) mitochondria
 - c) Golgi apparatus
 - d) **ribosomes**
9. The protein coat of a virus is called:
- a) viral DNA
 - b) cell wall
 - c) envelope
 - d) **capsid**
10. Vaccines contain:
- a) lymphocytes
 - b) hormones
 - c) **antigens**
 - d) antibodies
11. Bacteriophages usually have:
- a) only RNA
 - b) only envelope
 - c) **head and tail structure**
 - d) only RNA and proteins
12. Meiosis occurs in:
- a) **gametes**
 - b) bacteria
 - c) somatic cells
 - d) tumor cells
13. Crossing-over increases:
- a) mutation rate
 - b) number of chromosomes
 - c) **genetic variation**
 - d) cell division speed
14. The outermost covering of the heart is the:
- a) endocardium
 - b) myocardium
 - c) **pericardium**
 - d) epicardium
15. The pulmonary artery carries:
- a) oxygenated blood
 - b) **deoxygenated blood**
 - c) lymph
 - d) plasma
16. Gas exchange occurs in the:
- a) trachea
 - b) bronchi
 - c) nasal cavity
 - d) **alveoli**
17. Growth hormone is secreted by:
- a) thyroid gland
 - b) adrenal gland
 - c) **pituitary gland**
 - d) pancreas
18. The retina contains:
- a) hormones
 - b) sclera
 - c) **photoreceptors**
 - d) muscles
19. Telomeres are located at:
- a) centromeres
 - b) spindle fibers
 - c) **ends of chromosomes**
 - d) cytoplasm
20. G1 phase of interphase is mainly for:
- a) DNA replication
 - b) **cell growth**
 - c) chromosome segregation
 - d) mitosis

II. Mark the correct statements. (*max. 10 points*)

Correct statements

1. **Plastids contain their own DNA.**
2. **Skeletal muscles have a body and tendons.**
3. **A gene is a segment of DNA that codes for an RNA or a protein.**
4. **During prophase, chromatin condenses into visible chromosomes.**
5. **Polynucleotide chains begin with a free phosphate group at the 5' end.**
6. **Fibrinogen is essential for blood clotting.**
7. **Lipids dissolve well in organic solvents.**
8. **Smooth muscle cells are spindle-shaped.**
9. **Chromatin condensation starts in prophase.**
10. **The pleura covers the outer surface of the lungs.**

Incorrect statements

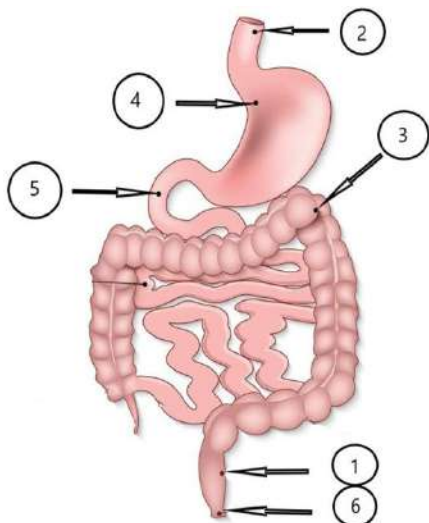
1. The tympanic cavity opens into the esophagus by the Eustachian tube.
2. The pancreas produces insulin and glycogen.
3. The nephron transmits signals.
4. The nucleus has no membrane.
5. The acrosome stores glycogen for the sperm.
6. Keratin is found in human bones.
7. Telophase precedes metaphase.
8. The biceps extends the elbow.
9. Plastids never contain genetic material.
10. The viral capsid is made of DNA.

III. Match each definition with its corresponding term. (*max. 6 points*)

- Decreased secretion of insulin from the pancreas ... C
- Vessels which take blood from the heart and bring it to all organs and tissues ... E
- The last phase of mitosis ... L
- The hormone produced by the corpus luteum ... F
- Increased production of growth hormone in childhood ... I
- Parasitic viruses in bacteria ... J

A. prophase; B. acromegaly; **C. diabetes mellitus**; D. somatotropin; **E. arteries**;
F. progesterone; G. viroids; H. veins; **I. gigantism**; **J. phages**; K. Graves' disease;
L. telophase

IV. Label the numbered parts of the figure using the given options. (max. 6 points)



1. Rectum
2. Esophagus
3. Large intestine
4. Stomach
5. Duodenum
6. Anus
7. Tongue
8. Larynx
9. Pharynx
10. Liver
11. Lungs
12. Spleen

V. Compare: (max. 8 points)

Feature / Question	Somatic Cells	Gametes
Has diploid chromosome number	Yes	No
Formed by meiosis	No	Yes
Genetically identical to parent cell	Yes	No
Found in body tissues	Yes	No

VI. Find and correct the 5 errors in the text by using the given options. (max. 10 points)

The heart is a muscular organ which pumps blood into the lymphatic vessels. Longitudinally, a septum divides the heart into right and left parts. In each part there is an atrium and a tendon. The heart walls are built up of two layers. The inner layer of the heart wall is made up of a simple squamous epithelium and is called ectocardium. The heart is surrounded by the myocardium.

Option	Replacement
1	lymphatic → blood
2	tendon → ventricle
3	two → three
4	ectocardium → endocardium
5	myocardium → pericardium
6	atrium → aorta
7	simple squamous → cuboidal
8	muscular → epithelial
9	longitudinally → transversely
10	septum → membrane

2. Chemistry

2.1. Syllabus

CHEMISTRY SYLLABUS

No	Topic
Part A. General Chemistry	
1.	Atomic structure. Atomic number, atomic nucleus, atomic mass, isotopes and isobars. Electronic structure of the atom – energy levels, characteristics of s-, p- and d-orbitals. Electronic configuration and orbital diagram of the elements of I and II period of the periodic table. Periodic trends – atomic radius, ionization energy, electronegativity, elements with metallic and on-metallic character.
2.	Chemical bonding. Ionic bond. Covalent bond – types (polar, nonpolar) and characteristics (bond energy and length, directionality); coordinate (donor-acceptor covalent) bond. Metallic bond, hydrogen bond, Van der Waals forces.
3.	Rate of chemical reactions. Rate equation, rate constant. Energy diagram of a reaction: activation energy, exothermic and endothermic reactions. Factors affecting reaction rate – nature of reactants, temperature, concentration, pressure. Rate-determining step. Catalysis – properties of catalysts. Mechanism of homogeneous and heterogeneous catalysis.
4.	Chemical equilibrium. Reversible reactions, state of equilibrium. Equilibrium constant. Factors affecting chemical reactions in equilibrium. Effect of concentration and pressure change, effect of temperature and catalysts. Le Chatelier's principle.
5.	Solutions. Types of solutions (saturated, supersaturated, unsaturated). Solution concentrations (mass and volume concentration, molarity, molality). Factors affecting solubility of solid, liquid, and gaseous compounds in liquids (nature of solvent and solute, temperature, pressure). Colligative properties (vapor pressure lowering, boiling point elevation, freezing point depression, osmotic pressure).
6.	Electrolytes. Weak and strong electrolytes, degree of dissociation. Theories of acids and bases (Arrhenius theory, Brønsted-Lowry theory, Lewis theory). Ionization of water – pH scale. Hydrolysis of salts.
7.	Oxidation-reduction reactions. Basic concepts: oxidation state, oxidizing agents and reducing agents, oxidation and reduction, balancing redox reactions. Oxidizing and reducing properties of elements. Electrolysis – practical applications.

№	Topic
Part B. INORGANIC CHEMISTRY	
1.	Properties of metals and on-metals. Reactions of metals with dilute acids, oxygen, on-metals, water, acids, and salts. Reactions of on-metals with oxygen, hydrogen, other on-metals, metals, and salts.
2.	Chemical properties of basic and acid oxides, oxyacids and bases. Reactions of oxides with water, other oxides, acids, and bases. Reactions of oxoacids with metals, basic oxides, bases, and salts. Reactions of bases with oxides, acids, and salts.
3.	Amphoteric oxides and hydroxides. Chemical properties.
Part C. ORGANIC CHEMISTRY	
1.	Fundamental concepts. Hybridization of the carbon atom. Sigma and pi bonds; single, double, and triple bonds. Structural and stereoisomerism in organic compounds. General principles of IUPAC nomenclature for naming organic compounds.
2.	Hydrocarbons. Homologous series of alkanes, alkenes, and alkynes. Halogenation of alkanes. Addition reactions of alkenes and alkynes. Polymerization of alkenes. Benzene and alkylbenzenes – substitution reactions with halogens, nitric and sulfuric acids; Friedel-Crafts reactions.
3.	Alcohols and phenols. Classification and nomenclature of alcohols and phenols. Methods of synthesis. Acid properties, ester formation, oxidation, dehydration.
4.	Carbonyl compounds. Classification (aldehydes and ketones). Methods of synthesis. Addition and condensation reactions of aldehydes and ketones. Oxidation of aldehydes and ketones.
5.	Carbohydrates. Monosaccharides: structure, stereochemistry, and chemical properties of glucose and fructose. Disaccharides: sucrose (structure and chemical properties). Polysaccharides: starch and cellulose – structure and biological functions.
6.	Carboxylic acids. Methods of synthesis. Acidic properties, salt formation. Alpha-halogenation, decarboxylation. Acid derivatives: halides, anhydrides, esters, and amides – synthesis and properties
7.	Amines. Classification, general methods of synthesis (reduction of nitro compounds, from alkyl halides). Basic properties, amide formation, reaction with nitrous acid.
8.	Amino acids. α -Amino acids (glycine, alanine, phenylalanine, cysteine, aspartic acid, lysine) – structure (zwitterions) and stereoisomerism. Chemical properties of amino acids, peptide bond formation.

2.2. Guidelines for the Online Entry Exam in Chemistry

The entrance exam in chemistry is an online written test. It covers the topics listed in the syllabus. The Periodic Table of Elements is not required during the exam.

The test consists of 30 multiple-choice questions, each with four possible answers: A, B, C, and D. Candidates should select the answer they believe is correct and record their choice. Each correct answer is awarded one point. The total score is converted into a final grade on a scale from 2.00 (Poor/Fail) to 6.00 (Excellent), with a minimum passing grade of 3.00.

2.3. Sample test

- Which is inconsistent with the concept of an isotope?
A) same atomic number B) different number of neutrons
C) same mass number D) same number of protons
- Which of the following isotopes has the greatest number of neutrons?
A) $_{17}^{35}\text{Cl}$ B) $_{15}^{31}\text{P}$
C) $_{18}^{40}\text{Ar}$ D) $_{20}^{41}\text{Ca}$
- The elements that display the greatest nonmetallic character are located toward which corner of the periodic table?
A) upper left B) lower right
C) lower left D) upper right
- Which compound contains no ionic character?
A) NH_4Cl B) CO
C) Na_2O D) Na_2CO_3
- Which of these describes the rate of the chemical reaction $\text{I}_2 + \text{H}_2 \rightarrow 2 \text{HI}$?
A) an increase in the concentration of HI and H_2 with time
B) an increase in the concentration of HI with time
C) an increase in H_2 and I_2 with time
D) a decrease in HI and I_2 with time
- The reaction of nitric oxide with hydrogen at 1280°C is:
 $2\text{NO}_{(\text{g})} + 2\text{H}_{2(\text{g})} \rightarrow \text{N}_{2(\text{g})} + 2\text{H}_2\text{O}_{(\text{g})}$. If the pressure is increased twice, the rate of reaction will increase by:
A) twice B) 4 times
C) 8 times D) 16 times
- Which of the reaction shown below involves the formation of an ionic precipitate from a solution?
A) $\text{Ca}^{2+} + \text{CO}_3^{2-} \longrightarrow \text{CaCO}_3$ B) $\text{HCO}_3^- + \text{H}^+ \longrightarrow \text{H}_2\text{CO}_3$
C) $\text{Fe} + \text{Cu}^{2+} \longrightarrow \text{Fe}^{2+} + \text{Cu}$ D) $\text{CaCO}_3 + \text{H}_2\text{CO}_3 \longrightarrow \text{Ca}(\text{HCO}_3)_2$

8. Given the following process that has reached equilibrium: $\text{NaCl (s)} \rightleftharpoons \text{NaCl (aq)}$. For the phase equilibrium to exist, the NaCl (aq) must be a solution that is:
- A) concentrated
B) saturated
C) supersaturated
D) unsaturated
9. Species that, in water, can function as both, a Brønsted acid and a Brønsted base include which of the following?
- A) HClO_4
B) H_2CO_3
C) HCO_3^-
D) CO_3^{2-}
10. Which of the following dilute solutions has the highest concentration of OH^- ions?
- A) 0.010 mol/L HCl
B) 0.010 mol/L NaOH
C) 0.010 mol/L CH_3COOH
D) 0.010 mol/L NH_4OH
11. All of the following statements about HNO_3 are true except:
- A) it is strong oxidizing agent
B) it reacts with CaO
C) it is highly corrosive
D) its salts are called nitrites
12. Which of the oxides does not react with CO_2 ?
- A) Na_2O
B) SO_2
C) CaO
D) K_2O
13. Of the compounds below, in which one does chlorine have the highest oxidation number?
- A) HCl
B) KClO_4
C) HOCl
D) CaCl_2
14. Which of these reactions shows only reduction?
- A) $\text{Cu}^{2+} + 2\text{e}^- \longrightarrow \text{Cu}$
B) $\text{Fe}_2\text{O}_3 + 3\text{CO} \longrightarrow 2\text{Fe} + 3\text{CO}_2$
C) $\text{HCl} + \text{NaOH} \longrightarrow \text{NaCl} + \text{H}_2\text{O}$
D) $\text{Mg} + \text{ZnSO}_4 \longrightarrow \text{Zn} + \text{MgSO}_4$
15. Which substance is manufactured by heating limestone?
- A) Ca(OH)_2
B) CaO
C) CaC_2
D) Na_2CO_3
16. The third member of alkyne series is:
- A) methyne
B) ethyne
C) propyne
D) butyne
17. Molecules of 1-propanol and 2-propanol have different:
- A) percentage compositions
B) molecular masses
C) molecular formulas
D) structural formulas
18. Which two compounds are **not** isomers of each other?
- A) $\text{CH}_3\text{CH}_2\text{CH}_2\text{Cl}$ и $\text{CH}_3\text{CHClCH}_3$
B) $\text{CH}_3\text{CH}_2\text{OH}$ и CH_3OCH_3
C) CH_3COOH и $\text{CH}_3\text{CH}_2\text{COOH}$
D) CH_3COCH_3 и $\text{CH}_3\text{CH}_2\text{CHO}$

19. All carbon-carbon bonds in saturated hydrocarbon molecules are:

- A) single covalent B) double covalent
C) triple covalent D) coordinative covalent

20. The compound $\begin{array}{cccc} & & \text{CH}_3 & \\ & & | & \\ \text{CH}_3 & -\text{CH}_2- & \text{CH} & -\text{CH}_3 \\ 1 & 2 & 3 & 4 \end{array}$ contains different hydrogen atoms numbered with 1, 2, 3 and 4. Which hydrogen is most easily abstracted in a radical bromination reaction?

- A) 1 B) 2
C) 3 D) 4

21. For the polymer polyvinyl chloride $\sim(\text{CH}_2\text{CH}(\text{Cl})\text{CH}_2\text{CH}(\text{Cl})\text{CH}_2\text{CH}(\text{Cl}))\sim$ the repeating subunit is:

- A) $\text{CH}(\text{Cl})$ B) $\text{CH}(\text{Cl})\text{CHCH}_2$
C) $\text{CH}_2\text{CH}(\text{Cl})$ D) CH_2CH

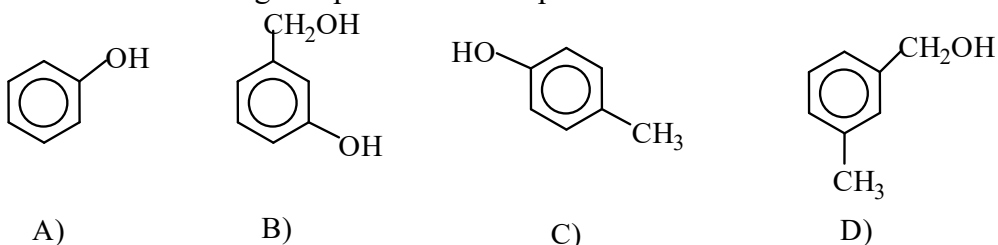
22. A molecule of which alcohol contains more than one hydroxyl group?

- A) propanol B) butanol
C) pentanol D) glycerol

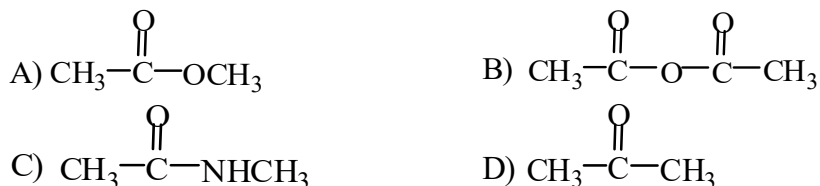
23. Oxidation of pentanal produces:

- A) pentanol B) pentanoic acid
C) pentanone D) pentanoate

24. Which of the following compounds is **not** a phenol?



25. Which structure contains an ester grouping?



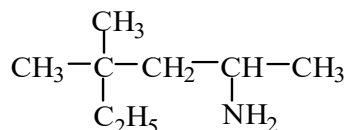
26. Which of the following processes is esterification?

- A) $\text{C}_6\text{H}_5\text{OH} + \text{NaOH} \longrightarrow \text{C}_6\text{H}_5\text{ONa} + \text{H}_2\text{O}$
B) $\text{C}_2\text{H}_5\text{OH} + \text{HONO}_2 \longrightarrow \text{C}_2\text{H}_5\text{ONO}_2 + \text{H}_2\text{O}$
C) $\text{CH}_3\text{COOH} + \text{NaOH} \longrightarrow \text{CH}_3\text{COONa} + \text{H}_2\text{O}$
D) $2\text{C}_2\text{H}_5\text{OH} + 2\text{Na} \longrightarrow 2\text{C}_2\text{H}_5\text{ONa} + \text{H}_2$

27. Fat molecules contain atoms of:

- A) carbon, hydrogen and nitrogen B) carbon, oxygen and hydrogen
 C) carbon and hydrogen D) carbon, oxygen and nitrogen

28. The correct name of the compound below is:



- A) 4-ethyl-4-methylheptane-2-amine
 B) 4,4-dimethylhexane-2-amine
 C) 2-propyl-2-methylpentan-4-amine
 D) 3,3-dimethylhexane-6-amine

29. Glucose and fructose are:

- A) enantiomers B) functional isomers
 C) tautomers D) chain isomers

30. When the amine group of one amino acid reacts with the carboxylic acid group of another amino acid, the functional group formed is called:

- A) amine B) peptide
 C) ester D) polymer

Question \ Answer	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A							X							X	
B				X	X			X		X		X	X		X
C	X	X							X						
D			X			X					X				
Question \ Answer	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A				X						X					
B								X			X	X	X	X	X
C			X		X	X									
D	X	X					X		X						

3. English Language Diagnostic Test

3.1. Description

The Diagnostic Test of English is designed to determine the level of English language competence according to the Common European Framework of Reference for Languages of foreign students who do not possess one of the above-mentioned English language certificates. They should have at least **B1 level**.

The **duration** of the test is **45 min** and consists of **2 parts**, the total number of points being **40**, distributed as follows:

Part 1. Reading Comprehension (Questions 1–10) (10 points)

Timing: 15 min

Source: The text is selected from sources in the field of medicine, health care, biology, chemistry, etc.

The **tasks** are 10 statements of the multiple cloze type with three answers, only one of which is correct. Each correct answer is granted 1 point.

The test takers are enabled to demonstrate the degree to which they can apply their lexical and grammatical knowledge of English in reading and understanding medical and medicine-related texts. The test takers are required to demonstrate their skills in surveying a text with the aim of extracting relevant information, drawing conclusions, distinguishing between nuances in the meaning of words and word combinations, getting detailed information from the text, as well as understanding opinions expressed and facts stated, which may be directly pointed out, or understood from the context.

Part 2. Use of English (Questions 11–40) (30 points)

Timing: 30 min

The tasks are 30 sentences with missing words or phrases and four answers, out of which only one is correct. Each correct answer is granted 1 point.

Task focus: The test takers are required to demonstrate command of basic grammatical and lexical knowledge of the English language. Part of the sentences test knowledge of collocations and set phrases, characteristic of everyday speech and others – knowledge of grammatical rules, such as the ones in forming verb tenses and questions.

3.2. Instructions for online English diagnostic test

The cameras and the microphones must be switched on for the whole duration of the exam.

The exam is scheduled for 45 minutes. After the stipulated time expires, the test is blocked.

When the applicant is done filling in the test they have to press the button SUBMIT ALL AND FINISH.

Once the applicant has left the test (SUBMIT ALL AND FINISH) they cannot go back to it anymore.

The applicant should not leave their place in front of the camera before they have finished the test.

If attempts of cheating are noticed – using information materials, receiving help etc. – the tests will be cancelled and their participation in the admission campaign is cancelled.

In case of disconnection with the applicant their exam is cancelled and the exam fee – not refunded.

The whole exam session is recorded.

3.3. Sample test and answers

Part 1. Reading Comprehension (Questions 1–10) (10 points)

Read the text carefully and do the tasks, directly or indirectly connected with it. There is only one correct answer to the task assigned – choose either A, B or C.

Text

Does your mouth water when you think of cookies, donuts, burgers and French fries? Many people prefer junk food like this to healthy food because they develop a taste for it. Processed, baked, and fried foods often contain a high amount of trans fats.

Trans fats raise bad cholesterol and lower the good cholesterol that your body needs. Fatty foods do more than cause obesity. Trans fats build up in the body and block blood flow to the heart. People whose diet contains a high percentage of trans fats are at risk of developing heart disease or having a stroke.

Trans fat is a semi-solid type of oil. It is made by adding hydrogen to liquid oil. Food companies and restaurants choose to use trans fat oils because they're cheap and they make food like crackers and baked goods last longer. They also improve the taste and texture of food. Trans fats became very popular in the second half of the 20th century. This is around the time butter got a bad name for its cholesterol levels. People were told to use margarine containing trans fats instead because it was “healthier”, but we now know that butter is actually the healthier option.

Today doctors know how dangerous processed foods like margarine can be. In countries such as the US and Canada there are new government restrictions on food production. Food and beverage makers must attach a Nutrition Fact label to their products. These list daily recommendations and detail all the ingredients in a product, including trans fats if they're used. In 2007 New York City banned trans fats from all restaurants, and according to recent studies this has prevented hundreds of heart

attacks and strokes. Even fast food chains such as *McDonalds* are being forced to change their recipes as people become more health-conscious. In Europe, food manufacturers have voluntarily started using labels that clearly show how healthy each product is according to a simple rating system.

We all need some fat in our diet. There are three different types of fats: saturated fats, unsaturated fats and trans fats. Doctors recommend that we get most of our fatty calories from unsaturated fats. Neither butter nor margarine fit this category, though other spreads like peanut butter do. Reading the list of ingredients on the label is a good way of avoiding dangerous ingredients like trans fats. Another way is to avoid eating out, especially in fast food restaurants. Also, when shopping try to buy the majority of your food in the fresh-food section and limit the amount of processed and packaged food you buy. You might not think this is important if you're young, but the choices you make now will affect you for the rest of your life. The healthier your diet is now, the longer and healthier your life will be.

Test

1. Potato chips and chocolate bars are examples of
 - A) healthy food
 - B) junk food
 - C) fast food
2. According to the article, too much fatty food causes
 - A) obesity
 - B) trans fats
 - C) mouth watering
3. Which of the following can have high levels of trans fats?
 - A) fresh produce
 - B) fried foods
 - C) saturated fats
4. What do trans fats do to the body?
 - A) raise good cholesterol
 - B) lower good cholesterol
 - C) lower bad cholesterol
5. Food companies and restaurants started using trans fats in order to save
 - A) time
 - B) lives
 - C) money
6. Which would doctors now say is the healthiest?
 - A) margarine
 - B) butter
 - C) peanut butter

7. What tip does the article give for avoiding trans fats?
 A) eat out in restaurants
 B) avoid tasty foods
 C) check the ingredients
8. Processed foods are nearly always _____ fresh or unprocessed foods.
 A) unhealthier than
 B) healthier than
 C) as healthy as
9. If the majority of people eat junk food, _____ eat it.
 A) half of them
 B) more than half
 C) less than half
10. A good diet _____ your chances of living a long and healthy life.
 A) has no effect on
 B) decreases
 C) increases

Part 2. Use of English

Multiple Choice Questions (Questions 11–40) (30 marks)

For questions 11–40, choose the correct answer – A, B, C or D

11. Tom _____ the profession of a surgeon.
 A likes not B don't like C doesn't like D hasn't liked
12. There isn't _____ time left for studying.
 A some B many C much D no
13. Friday is his day off, so he _____ get up early.
 A mustn't B doesn't have to C don't have to D shouldn't
14. The hospital is just _____ the street on the left, near the bank.
 A on B across C by D next to
15. I like _____ out with friends.
 A going B to go C having a go D to have a go
16. It's the _____ party I've ever been to. Let's go home!
 A best B worse C worst D worst
17. _____ my parents are dentists.
 A Both B Neither C None D All
18. You have an exam tomorrow, you _____ be late.
 A maynot B don't have to C shouldn't D couldn't
19. If she doesn't study hard enough, she _____ her exams.
 A wouldn't pass B doesn't pass C is not passing D won't pass

20. If I didn't like children, I _____ be a pediatrician.
 A won't B wouldn't C didn't have to D wouldn't have to
21. We're going to the Mall later, would you like to come _____?
 A by B on C along D with
22. Jane _____ her dog! Let's help her find it.
 A had lost B lost C has lost D should have lost
23. He is very conceited, he looks _____ all his colleagues.
 A down B down on C upon D over
24. I couldn't call you because I _____ my mobile phone.
 A 'd forgotten B forget C forgot D 've forgotten
25. They love _____ very much and they are going to get married.
 A themselves B themselves C one another D each other
26. She went to the salon _____.
 A to make her hair cut B to cut her hair C to do her hair cut D to have her hair cut
27. By 2060, the climate _____ much warmer.
 A will become B is becoming C will have become D will be becoming
28. If I hadn't broken his mobile phone, I _____ it repaired.
 A wouldn't have had B wouldn't had C won't have D wouldn't be having
29. I complained about the service and they _____ to give me a refund.
 A offered B advised C suggested D considered
30. The doctor told me apples _____ good for my high blood pressure.
 A were B are C would be D could be
31. You _____ wait here. You're blocking the street with the car!
 A can't B needn't C don't have to D oughtn't to
32. I could see a huge _____ of sheep in the distance.
 A pack B bunch C flock D pride
33. To get _____ life, you need to make plans.
 A down to B on in C on with D along in
34. They _____ along the beach hand in hand watching the sunrise.
 A paced B crept C strolled D idled
35. I wish I _____ my lunch so quickly, I've got heartburn now.
 A didn't eat B haven't eaten C hadn't eaten D hadn't been eating
36. It was while he was in Spain _____ he met his future wife.
 A when B where C that D as
37. Hardly _____ started his new job when the company ran into problems.
 A he had B he C had he D has he

38. He's _____ changed since he graduated – he's still shy and modest.

A slightly B nearly C subtly D hardly

39. It's a(n) _____ of life and death, you need to have the operation as soon as possible.

A problem B question C matter D issue

40. I always thought he would be a failure but I had to eat my _____ when I read he was a millionaire.

A thoughts B words C speculations D hat

Key to Sample Diagnostic Test of English

Reading Comprehension:

1 B, 2 A, 3 B, 4 B, 5 C, 6 C, 7 C, 8 A, 9 B, 10 C

Use of English:

11 C	16 C	21 C	26 D	31 A	36 C
12 C	17 A	22 C	27 C	32 C	37 C
13 B	18 C	23 B	28 A	33 C	38 D
14 B	19 D	24 A	29 A	34 C	39 C
15 A	20 B	25 D	30 B	35 C	40 B

V. ANNEXES

Annex №1 – Application form

Посветени на хуманността
МЕДИЦИНСКИ УНИВЕРСИТЕТ – ПЛОВДИВ

4002 Пловдив
бул. В. Априлов № 15А



Dedicated to humanity
MEDICAL UNIVERSITY – PLOVDIV

15A, Vassil Aprilov Blvd.
4002 Plovdiv, Bulgaria

Ref. No

Admission campaign 2026

APPLICATION

From

.....
(First, Middle and Last Name)

I. Personal Information:

Sex (Male, Female):

Date of Birth (Day, Month, Year):

Place of Birth:

Citizenship(s):

Permanent Address:

E-mail: Phone number:

II. Studies at Medical University – Plovdiv

I wish to participate in the ranking for the following programs:

№	Specialty (Programme)	Language of training (Bulgarian/English language)	Preparatory year (Yes/No)
1.			
2.			
3.			
4.			

III. Attached Documents:

1.	A copy of high school diploma and transcript with studied subjects and grades;
2.	A document issued by a competent authority certifying the applicant's right to continue their education in the country where the secondary diploma was obtained;
The documents under items 1 and 2 must be legalized, translated and certified in accordance with the regulations of the international treaties of the Republic of Bulgaria with the country in which they are issued. In the absence of the above-mentioned documents, the general procedure for legalization, translations and certification of documents must be observed under the general procedure.	
3.	A certificate of completed secondary education issued by the National Centre for Information and Documentation (NACID);
4.	Copy of the international passport certifying the citizenship or two documents certifying citizenship – for applicants with dual citizenship, one of which is Bulgarian;
5.	Four recent photos (4x5 cm).

All documents must be submitted in a complete set in both paper and electronic file on a USB flash drive. Each document must be scanned as a separate file, with the photo in JPG format and the remaining documents (including translations) in PDF format.

Date:

Signature:

Page 1 of 2



(To be completed by an individual or company authorized by the applicant)

№1

DECLARATION

The undersigned, –

(Given name, Surname)

(Company)

Herewith I declare that the applicant has entitled me to submit their documents and the filled in data in the form will not be controverted. Furthermore, I am entitled to be the contact person between the University and the applicant. I submit a power of attorney (legalized, translated in Bulgarian and certified) by the applicant.

Contact details:

(Phone number/ E-mail)

Date:

Signature:

№2

DECLARATION

By signing this Application form, I, in my capacity of an applicant/representative, hereby express my consent to the processing of my personal data (written above) by Medical University – Plovdiv for the purposes of the Application Campaign of the University.

Date:

Signature:

(Applicant or Representative)

Annex №2 – Procedure/Instructions for online application

Online application and entrance test registration

The process for online application and test registration is in 6 main steps:

1. **Creating a profile** – applicants create their online profile by registering with email and password.
2. **Activating the profile** – an activation link is sent to the email provided by the applicant.
3. **Inserting the required data** – after the successful activation and logging into the platform, the applicants are required to upload copies of the following documents, such as – diploma, certificates, ID's etc. To specify the desired specialties for which they shall apply for (in the order of preference) and to register for the entrance exam.
4. **Payment** – Once all the information is filled in, the applicants gain access to the online payment page.
5. **Approval by invigilator** – If the payment is successfully made, the applicant's online information will be reviewed and confirmed (or sent back for corrections) by an invigilator at MU-Plovdiv.
6. **Completed registration** – The online registration procedure for the exam is considered successfully completed following an email receipt of a document with registration number for participation in the admission campaign.

Annex №3 – Applicant exam instruction

1. The cameras and the microphones must be switched on for the whole duration of the exam.
2. The exam is scheduled for a total of 90 minutes – 45 minutes for each test. After the stipulated time expires, each test is blocked.
3. First the applicants are given access to the biology test and in 45 minutes – in Chemistry test.
4. When the applicant is done filling in the test, they have to press the button SUBMIT ALL AND FINISH.
5. Once the applicant has left the test (SUBMIT ALL AND FINISH) they cannot go back to it anymore.
6. The applicant should not leave their place in front of the camera before they have finished both tests.
7. The applicant is allowed to use the keyboard of their computer only if they answer a question which requires inserting information in the biology test.
8. The applicant is not allowed to use sheets of paper, pen, calculator, periodic table and other facilities during the exam.
9. If attempts of cheating are noticed – using information materials, receiving help etc. – the tests will be cancelled and their participation in the admission campaign is cancelled.
10. In case of disconnection with the applicant their exam is cancelled and the exam fee – not refunded.
11. The whole exam session will be recorded.

Annex №4 – Declaration – consent

(online enrolment for students admitted from April to June 2026)

Declaration

The undersigned (names) admitted for training at MU-Plovdiv in the month of 2026 for the academic year 2026/2027 in the specialty “.....”, by signing this declaration I agree and accept the content of the text written in item 8.2 in Section 8 “Enrolment of newly admitted students” in the Directory for applicants in the English language training course of education, approved by the Decision of the Academic Assembly/Council – Protocol No. 1/06.02.2026 of the Higher Education Institution/University.

By signing this declaration, I agree to pay the administration processing fee in compliance with item 8.2 from the Directory herewith.

I am aware of and accept the requirements specified in item 8.2. in the Directory concerning online enrolment, namely that the administration processing fee of 2,000 euro will not be refunded if I fail to comply with the online enrolment procedure and deadlines, or withdraw at my own request.

Date:

Signature:(name)