

**MINISTRY OF EDUCATION OF TURKMENISTAN
MINISTRY OF ENERGY OF TURKMENISTAN
STATE ENERGY INSTITUTE OF TURKMENISTAN**

REGULATIONS

**on holding the IV Open International Internet Olympiad in the discipline
“Theoretical Mechanics” among the students of the higher educational institutions
of Turkmenistan and abroad**

These Regulations on holding the III Open International Internet Olympiad in the discipline “Theoretical Mechanics” among the students of the higher educational institutions of Turkmenistan and abroad have been developed in order to implement the Plan for the realization of the Concept for the Development of the Digital Education System in Turkmenistan, the introduction of innovations in the sphere of education, as well as the promotion of the higher education institutions of our country to the international level.

1. GENERAL PROVISIONS

- 1.1. These Regulations are used as the basis for regulating the procedure for holding the IV Open International Internet Olympiad (hereinafter referred to as the Olympiad) in the discipline “Theoretical Mechanics”, its organizational and methodological support, rules for the participation in the Olympiad and determining the winners.
- 1.2. These Regulations came into force with the approval of the rector of the institute.
- 1.3. These Regulations are included in the documentation package of the State Energy Institute of Turkmenistan.
- 1.4. The official working languages of the Olympiad – Turkmen, Russian, and English.

2. OBJECTIVES AND PROCEDURE OF THE OLYMPIAD

- 2.1. During the period of rapid integration of the education system of Turkmenistan into the global scientific and educational space, identifying talented, gifted youth with experience in using high technologies is one of the important tasks. Regular holding of the Internet Olympiads in the discipline “Theoretical Mechanics” will help deepen scientific knowledge, increase interest in scientific activities, develop intellectual abilities to use innovative technologies in the fast developing industrial sector of Turkmenistan and

discover talented youth capable of independently solving practice-oriented problems in this area.

2.2. Objectives of the Olympiad:

- strengthening friendly relations and exchanging mutually beneficial scientific information among the students of the higher educational institutions;
- organizing joint scientific discussions of the professional and teaching staff and students of the higher educational institutions;
- training of the young specialists capable of analyzing and solving scientific and practical issues that arise in the production and research work.

2.3. Tasks of the Olympiad:

- development of the interest in solving theoretical tasks through the use of the modern technologies;
- creation of the motivating conditions for choosing professions related to the intellectual development of the talented and gifted youth;
- implementation of the interaction among the higher educational institutions and the individual research centers through the digital information and communication technologies.

2.4. Participation in the Olympiad:

- the Olympiad will be held in the individual and team formats;
- students of the technical higher educational institutions of our country and abroad, as well as the students of the higher educational institutions studying in depth "Physics" can take part in the Olympiad;
- students of any specialty and any year of study can take part in the Olympiad;
- no more than 10 (ten) students from each higher educational institution can take part in the Individual Olympiad;
- 1 (one) or 2 (two) teams consisting of no more than 5 (five) students from each higher educational institution can take part in the Team Olympiad, the team can also be a team combined from the students of several higher educational institutions.

2.5. The IV Open International Internet Olympiad in the discipline "Theoretical Mechanics" will be held online from 10 to 15 March, 2025 on the basis of each higher educational institution under the observation of the State Energy Institute of Turkmenistan.

2.6. Address of the State Energy Institute of Turkmenistan:

Mary city, Bayramhan street, 62.

tel: +800 522 5-75-02, +800 522 5-75-03;

e-mail: tdsi@tdsi.edu.tm, energetikardei@gmail.com.

2.7. For personal contact: +993 64207444; +993 64681023.
e-mail: tdei@tdei.edu.tm; energetikatdei@gmail.com

2.8. Information about the participants will be registered until March 05, 2025 on the official website of the institute <https://tdei.edu.tm/baslesik/28>.

1. PROCEDURE OF ORGANIZING THE OLYMPIAD

- 3.1. The composition of the Organizing Committee of the Olympiad is approved by the rector of the State Energy Institute of Turkmenistan.
- 3.2. Evaluation of the works of the participants of the Olympiad is carried out by the jury members.
- 3.3. The IV Open International Internet Olympiad will be held through the Microsoft Team, Googlemeet or Zoom software.
- 3.4. If the participants of the Individual and Team Olympiad are in the same auditorium, then 2 video cameras must be installed to allow monitoring the entire auditorium.

4. CONDITIONS OF HOLDING THE OLYMPIAD

4.1. Days of the Olympiad:

- 1) The Olympiad will last two days. On the first day, students will compete individually (10/03/2025). On the second day there will be a team competition (11/03/2025)
- 2) 1 (one) or 2 (two) teams consisting of 5 (five) students from each higher educational institution can take part in the Team Olympiad in the discipline "Theoretical Mechanics". If the number of participants is less than 5 (five), it is allowed to form one combined team by combining two higher educational institutions. Also, at its discretion, the participation of a team of less than 5 (five) participants is possible.

4.2. Structure of the tasks:

- 1) In the individual stage of the Olympiad, students will be given 4 (four) hours to solve 8 (eight) tasks. 2 (two) tasks belong to the section "Statics", 2 (two) to the section "Kinematics" and 4 (four) tasks to the section "Dynamics". 4 (four) hours are given for the individual competition;

- 2) In the team stage of the Olympiad, 5 (five) tasks from the sections “Statics”, “Kinematics” and “Dynamics” will be presented. 1 (one) hour is given for the team competition;
- 3) Tasks will be prepared by the Organizing Committee from various sources of thematic literature.

4.3. Evaluation of the tasks:

- 1) In the Individual Olympiad, 10 (ten) points will be awarded for each correctly solved task.
- 2) In the Team Olympiad, only the correct answer must be written, and not the solution of the task itself, each correct answer will be evaluated in accordance with the conditions of the tasks.

4.4. Provision and conditions:

- 1) Both in the Individual and in the Team Olympiad, participants are allowed to use additional educational supplies (pencil, ruler, eraser, calculator, etc.);
- 2) During the Olympiad, the leaders of the participants are not allowed to enter the auditorium where the Olympiad itself takes place;
- 3) During the Olympiad, students are not allowed to go beyond the video surveillance;
- 4) During the Olympiad, it is not allowed to use various electronic devices (except for a calculator) and cheat sheets.

4.5. Receiving and sending tasks:

- 1) Tasks will be sent through the software through which video surveillance will be carried out. Also, the tasks will be posted on the official website of the institute <https://tdel.edu.tr/basjesik/28>.
- 2) Solutions to the tasks must be sent to a special Google page within the first half hour in the form of a high-quality photograph (can be scanned). Relevant links will be sent to all the participants at the beginning of the Olympiad.
- 3) The solution to each task should be placed on a separate sheet. In this case, the solution to one task can be placed on several sheets, but there should not be solutions to several task on 1 (one) sheet.
- 4) In the Team Olympiad, it is necessary to send only the correct written answer of the corresponding task on 1 (one) sheet;
- 5) Tasks cannot be submitted after the specified submission deadline.

5. PROCEDURE OF AWARDING THE WINNERS

- 5.1. In the Individual Olympiad, the winners will be the students who have scored the most points, including the sum of the highest scores of the top 3 (three) students from each higher educational institution, as a result of which the winning teams will also be announced.

- 5.2. In the Team Olympiad, the teams with the best results will be declared as the winners.
- 5.3. After evaluating the tasks of the students, a special document will be filled out, a general conclusion will be drawn up and posted on the official portal of our institute.
- 5.4. If the overall results of the two participants are equal, then the winners will be determined by the number of scores of completed tasks. If this indicator coincides, the winner among the two participants will be the one who studies in the junior year. If this indicator also coincides, additional tasks may be proposed. Additional proposed tasks will not affect the results of the team work.
- 5.5. If the overall result of the tasks solved in the Team Olympiad is equal, then the number of correctly solved tasks will be considered first of all, if this indicator turns out to be equal, then the time of their submission will be considered.

5.6. Awarding:

1) The winners of the Olympiad will be registered in the individual and team forms, and will be determined by the total number of points scored, depending on the level of the correct completion of the tasks.

2) The number of the winners of the Olympiad will be determined by the percentage of the correctly solved tasks, that is, those who solved correctly more than 50% of the presented tasks will be awarded Diplomas of the I degree, those who solved correctly from 30% to 50% of the tasks – Diplomas of the II degree, and those who solved correctly from 15% to 30% of the tasks – Diplomas of the III degree.

3) The student who completely solves the most difficult task (not solved by anyone else) at the Olympiad will be awarded a Letter of Appreciation for special abilities.

4) All winners of the Olympiad will be awarded with appropriate Diplomas and Letters of Appreciation.

ANNOUNCEMENT

The State Energy Institute of Turkmenistan from 10 to 15 March, 2025 conducts the **IV Open International Internet Olympiad in the discipline “Theoretical Mechanics”** among the students of the higher educational institutions of Turkmenistan and abroad, and invites all the interested students to participate.

IV Open International Internet Olympiad will be held in the form of the Individual and Team Olympiads.

The official languages of the **IV Open International Internet Olympiad** are Turkmen, Russian and English.

The students of any specialty and any year of study can participate in the Olympiad.

No more than 10 (ten) students from each higher educational institution can participate in the individual form of the Olympiad, and 1 (one) or 2 (two) teams of no more than 5 (five) students can take part in the team form of the Olympiad. The team can also be a combined team, formed from the students of the several higher educational institutions.

The tasks of the individual and team Olympiads will be posted in a special section of the institute website <https://tdsi.edu.tm/basicsik/28> on the day of the Olympiads.

The order of the Olympiad:

- the participants of the Individual Olympiad will solve 8 (eight) tasks (including 2 (two) tasks from the “Statics” section, 2 (two) tasks from the “Kinematics” section and 4 (four) tasks from the “Dynamics” section of the discipline “Theoretical Mechanics”). Time to solve problems – 240 minutes;

- the participants in the Team Olympiad will solve 5 (five) tasks from the various sections of the discipline “Theoretical Mechanics”. Time to solve problems – 60 minutes;

- Olympiad will be monitored through the Google Meet or Zoom software.

The winners of the Olympiad will be registered in the individual and team forms, and will be determined by the total number of points scored, depending on the level of the correct completion of the tasks.

The number of the winners of the Olympiad will be determined by the percentage of the correctly solved tasks, that is, those who solved correctly more than 50% of the presented problems will be awarded **Diplomas of the I degree**, those who solved correctly from 30% to 50% of the tasks – **Diplomas of the II degree**, and those who solved correctly from 15% to 30% of the problems – **Diplomas of the III degree**.

Registration of the information about the students of the higher educational institutions and their leaders who wish to take part in the **IV Open International Internet Olympiad in the discipline “Theoretical Mechanics”** will be held in a special section of the institute website <https://tdsi.edu.tm/basicsik/28> until March 5, 2025.

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**Schedule of the IV Open International Internet Olympiad in the discipline
“Theoretical Mechanics”
(by Ashgabat time)**

10.03.2025.

10:00 – Opening of the Internet Olympiad.

11:00 – Individual Olympiad.

15:00 – 15:30 – Submission of the task solutions in the high-quality photo format (pdf).

18:30 – Introduction of the task solutions.

11.03.2025.

11:00 – Team Olympiad.

12:00–12:30 – Submission of the answers of the tasks.

15:00 – Announcement of the results of the Team Olympiad.

12.03.2025. – 14.03.2025.

– Verification of the task solutions of the Individual Olympiad.

– Announcement of the preliminary results of the Individual Olympiad.

15.03.2025.

10:00 – Announcement of the final results of the Individual Olympiad.

11:00 – Announcement and awarding of the winners.

12:00 – Closing of the Internet Olympiad

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