

International Scientific Olympiads on Mathematics and Chemistry
National Organization for Educational Testing
Ministry of Science, Research and Technology
Tehran, Iran






Introduction

In order to encourage university students to study competitively and create opportunities for the promotion of their academic standings, it was approved in 1995, that a nation-wide scientific student Olympiad be held annually. The National Organization for Educational Testing (NOET) was authorized to administer the Olympiads. The goal is to expand the domain of activities to have the talented university students from Islamic countries, the ECO member countries and other nations to participate in the Olympiads at the international level.

Academic Aims

1. To identify and promote gifted students in various academic fields.
2. To guide the talented youngsters and help they flourish.
3. To motivate professors, administrators and program planners to reexamine the current educational programs and improve upon them.
4. To understand the objectives and acquire necessary information on the level and quality of educational systems.
5. To analyze the data obtained in order to identify the factors influencing the quality of educational systems.
6. To recognize and promote advantages of the academic experience of other countries.
7. To utilize the experience of participating countries and help the countries to improve the quality of their educational systems.
8. To create an academic and research oriented atmosphere among students from different countries.
9. To encourage students to follow the best possible academic methods for the acquisition of knowledge.

Cultural Aims

-  To expand friendship and brotherhood among neighboring countries and among all nations over the world.
-  To motivate students for conducting research.
-  To create the feeling of cooperation in the acquisition of knowledge and to encourage the participants to incorporate such feelings in their own countries.
-  To propagate appropriate methods for healthy competitions.
-  To establish cultural exchange among students at the international level and to familiarize them with cultural values of the Islamic Iran.

Areas of Competition in Olympiad

The National organization for Educational Testing of the Islamic Republic of Iran has organized the Olympiad in various areas of Science and Engineering.

The areas currently administered are:

1. Persian Language and Literature
2. Theological and Islamic Teaching

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| 3. Economics | 4. Law |
| 5. Biology | 6. Chemistry |
| 7. Statistics | 8. Mathematics |
| 9. Physics | 10. Civil Engineering |
| 11. Computer Engineering | 12. Chemical Engineering |
| 13. Electrical Engineering | 14. Mechanical Engineering |
| 15. Agriculture Engineering | 16. Industrial Design |
| 17 – Education Science | 18 – Geology |
| 19 – Material Engineering Metallurgy | 20 – Geographical Science |

The exams in Mathematics (both Pure and Applied) and Chemistry are being held internationally.

Qualifications for International Participants in Olympiads on Mathematics and Chemistry

International undergraduate majoring in Pure or Applied Mathematics, Chemistry or related fields at their 3rd or 4th year of undergraduate studies can participate in the respective Olympiad provided that they are officially recommended and introduced by their corresponding governments or institutions. Each country can select and nominate five top qualified students in Mathematics and/or Chemistry and introduce them as separate teams to the center of Olympiads in Tehran, Iran.

Note: The Center of Olympiads in Iran undertakes the food, accommodation, and domestic transportation costs. All other costs are to be covered by the participating teams.

Topics to Be Tested

Topics include the course materials at the undergraduate level. The exams will be in English and descriptive.

Mathematics Olympiad

An international participant can take part in either Pure or Applied Mathematics. Participants in Pure Mathematics will sit for the exams on subjects 1, 2, 3, 4 and the participants in Applied Mathematics will do so on subjects 1, 2, 3, 5 of the following list:

- 1-Mathematical Analysis
- 2-Numerical Analysis
- 3-Linear Algebra
- 4-Algebra
- 5-Operations Research

Chemistry Olympiad

Participants in Chemistry Olympiad will sit on the exams for the following subjects:

- 1- Analytical chemistry I & II, and Instrumental Analysis
- 2- Inorganic Chemistry I & II
- 3- Organic Chemistry I, II, & III, and Spectrometric Identification of Organic Compounds
- 4- Physical Chemistry I & II, and Introduction to Quantum Chemistry

Examination Schedule

The Olympiad Examinations are usually held in August every year. The exact time will be announced in due time.

For more information on the procedures and registration, call or contact the Olympiad Center, The National Organization for Educational Testing (NOET) at the following address:

No. 204 Karim Khan Zand Avenue, Tehran , IRAN

Postal Code: 14155-6131

Tel: (098) (21) 88923798

FAX: (098) (21) 88922244

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