



HANOI OPEN MATHEMATICS COMPETITION - HOMC 2019

From 2nd to 6th of April, 2019

HANOI – VIETNAM

TABLE A: INTERNATIONAL

I. ABOUT HOMC

Hanoi Open Mathematics Competition (HOMC) was first organized in 2004 by the Hanoi Mathematical Society for Junior (Grade 8) and Senior (Grade 10) students. As the original regulation of HOMC, all questions, problems, and contestant's presentation should be presented in English. From 2013 Hanoi Department of Education and Training became the co-organizer and promoted the competition as nationwide with nearly 1,000 contestants participated every year from 50 cities across the country.

From 2018, with the support of the Hanoi People's Committee, the competition was opened to international teams to participate by invitation only.

II. OBJECTIVES OF HOMC

1. Identify and nurture mathematical talented and motivated students at junior and senior high schools;
2. Encourage students and teachers to improve studying and teaching qualification in mathematics by focusing on higher logical thinking and problem solving skills;
3. Provide mathematical talented and motivated students with opportunities to exchange mathematical knowledge and practice;
4. Strengthen the friendship of the students and teachers between Vietnam and other countries through series of activities, discussions and cultural experiences.

III. IMPORTANT TIMELINES

1. Confirmation of the participation : Participating Teams will confirm the participation via email: homc2018a@hanoiedu.vn **no later than 15th January 2019.**
2. Submission of participation details: **No later than 30th January 2019**
3. Submission of Proposed Problems: Each participating delegation is expected to submit a maximum of 10 proposed problems with solutions for each division (Junior and Senior) **no later than 15th February 2019.** The proposed problems and solutions should be encoded in English language.
4. Submission of flight details: **No later than 05th March 2019.**

IV. PARTICIPANTS' ELIGIBILITY

- Participant in HOMC 2019 is by invitation only.
- Junior Division: Contestants are grade 8 students of Junior High School and must be born after January 1st, 2005.
- Senior Division: Contestants are grade 10 students of Senior High School and must be born after January 1st, 2003.

Notes:

- Contestants should have the ability to solve math problems in English.
- Contestants should be chosen through a selection process.

V. OFFICIAL LANGUAGE

Official language of the competition is English.

VI. EXPENSES

- Each team is entitled to send the maximum of 15 members including 01 leader, 06 contestants and 01 math teacher of Junior Division, 06 contestants and 01 math teacher of Senior Division FREE OF CHARGE. The host organizer will sponsor accommodation, meals, local transportation, and sightseeing during the official period of HOMC from 2nd to 6th of April, 2019.
- Each additional participant will be charged at **USD650/participant**.
- Any accompanying person will be charged at **USD650/person**.
- Cost of flights to and from Hanoi, Vietnam will be paid by the participating teams.

VII. CULTURAL PRESENTATION

- Each team should prepare a performance of 3-5 minutes to present, introduce the special culture of the nation or region at the cultural presentation.
- The performances vary from instrumental and choral music to power-point presentations of scenery. Through this activity, international friendship, mutual understanding and respect for cultural diversities are advocated.
- Two team awards are handed out: Best performance award and Innovative award.

VIII. COMPETITION REGULATION

All contestants participate in 02 rounds:

- 1. First Round: Individual competition.** The test will be 120 minutes which includes: 10 short answer questions and 05 essay questions.
- 2. Second Round: Team competition.** Four (04) contestants from each division chosen by their Team Leader will do the test together in 60 minutes which includes: 04 short answer questions and 02 essay questions.

Note: No calculator, computer and any document are allowed during the test.

IX. AWARDS AND MEDALS

1. Individual prize

- Individual prizes include Gold, Silver, and Bronze Medals. Merited Prize and Certificate of Participation are also handed out.

- About 60% contestants participated in Individual competition will be awarded Gold, Silver, and Bronze Medals in the ratio of 1:2:3. The remaining contestants will have chance to receive Merited Prize and/or Certificate of Participation.

2. Team prize

- Team prizes include Championship Cup, First Prize Cup, Second Prize Cup and Certificate.

- Scores of team competition test will be the scores of the whole team.

+ The team having the highest scores will be the Champion (If two or more teams have the same score, the higher scores in the individual competition will be used to decide the champion).

+ 04 teams having the highest scores in each division (Junior and Senior) will be awarded team prize, which include 01 Champion Cup, 01 First Prize Cup and 02 Second Prize Cup.

+ All team members of the wining team will be awarded medals as well (i.e. maximum 6 medals per team)

3. Performance Awards

Two team awards are handed out: Best Performance Award and Innovative Performance Award

X. OTHER MATTERS

1. Team Leader and Math Teachers must be able to communicate in English to participate in the related competition activities. Leaders and Teachers are responsible for the conduct / behavior of their contestants.

2. The respective participants/delegates are responsible for acquiring their accident insurance during the official period of the competition. All HOMC 2019 participants are advised to arrange medical insurance for themselves before coming to Vietnam.

3. For Entry Visa to Vietnam: Please follow the link for more details:

<https://visa.mofa.gov.vn/layouts/registration/ApplicationForm.aspx>

4. Contact details:

- Mr. Nguyen Chi Trung

- Position: HOMC Coordinator

- Mobile: +84-888-789595

- Email: homc2018a@hanoiedu.vn

- HOMC website: <http://homc.hanoi.edu.vn/>

XI. COMPETITION SCHEDULE

Time	Contestants	Officials
Day 1 2/4/2019	Arrivals	Arrivals
Day 2 3/4/2019		
8h30 – 10h30	Opening Ceremony	

11h00 – 12h30	Free time	Team Leaders meeting
14h30 – 16h30	Individual Competition	Education Exchange
Day 3 4/4/2019		
8h30 – 10h30	Team Competition	Free Time
19h30 – 21h30	Cultural Gala	
Day 4 5/4/2019		
8h30 – 16h30	City Tour	Moderation
19h30-21h30	Awarding and Closing Ceremony	
Day 5 6/4/2019	Home Sweet Home	