

SCHEDULE

Date	7 October 2023	Saturday
Time	10:15 – 13:15	3 hours
Venue	TWGSS CAL	A203 - A204

Without prior approval, contestants are required to arrive **before 10:00**, late comers might be disqualified or a score penalty might be given.

GENERAL

- The **2023/24 Team Formation Test** aims to provide major reference for trainers and coach to nominate students taking part in the HKOI 2023/24 competition, future selection of representatives in external competitions and performance determination.
- All TWGSS OI Team members should participate the contest.
- Students who have received HKOI Gold, Silver, or Bronze Medal before are exempted from the contest and are automatically considered qualified regarding the nomination of HKOI 2023/24.

FORMAT

- Contestants would take a practical test.
- Each contestant would receive a set of printed copy of the paper. The paper would also be visible on TWGSS Online Judge.
- The paper would consist of several programming problems. Each problem may carry different points. Each problem may be further divided into subtasks. Each subtask may carry different points.
- The whole paper would be in English only.
- The duration would be 3 hours.
- If a certain contestant is not able to attend the contest at the given time and/or venue, his/her situation should be reported to trainers prior to the contest. Special arrangements (including online invigilation at a different time and/or venue) may be provided to him/her.

SYLLABUS

- The syllabus of the contest would be the same as that of HKOI Senior Group (<https://hkoi.org/competition-syllabus>).
- The syllabus serves as a guide only. If deemed appropriate, problems may involve contents that are out of scope.

CODING

- Contestants should answer in C++20.
- Contestants might answer in other languages provided on TWGSS Online Judge, including Python 3.8.10. It is not guaranteed that the problems are solvable using those language.
- Contestants might use any appropriate development software, including but not limited to the built-in code feature in TWGSS Online Judge, HKOI Online Judge “Code” feature, Visual Studio Code and Replit (not including any extensions and features that would give unfair advantages).

SUBMISSIONS

- Contestants should submit their solution source codes through TWGSS Online Judge (<https://judge.twgss.org>). The system would automatically compile the source codes submitted by contestants, then test the compiled programs using a set of data unknown to the contestants.
- Unless specified in the problem, in order to score points for a subtask (or problem, if no subtasks in it), contestants’ programs must be correct for all test cases in that subtask (or problem).
- Contestants would receive feedback about their submissions, including the type of error first encountered (if any) for each subtask or problem.
- A contestant may submit at most once per problem per 60 seconds, and at most 50 times per problem.

RESULTS

- The final results would include all participants from all timeslots and venue.
- Highest score would be chosen from each subtask (or problem) to calculate the final score, those scores are not necessary from the same submission.
- A contestant’s final score would be the sum of points received from all solved or partially-solved subtasks or problems.
- Scores may be subtracted from a contestant’s final score as a penalty for violation of rules.
- Contestants having higher total scores should have higher ranks.
- If two or more contestants have the same score, they would have the same rank.
- No live scoreboard would be shown for the whole duration of the contest.

OTHERS

- During contest, contestants are allowed to seek clarification on the wordings of the problems. Should the condition deem necessary, the clarifications would be announced to all contestants. Clarifications related to the solutions would not be entertained.
- Time adjustment, rejudge of submissions and changes of problem statements might be announced anytime before, during, or after the contest before the announcement of final results.
- Contestants might refer to language-specific documentations enlisted on the “Reference” page of TWGSS Online Judge (<https://judge.twgss.org/reference>). For documentation of C++, viewing of the offline version of cppreference.com (<https://en.cppreference.com/w/Cppreference:Archives>) is allowed during contest.
- Contestants might use any appropriate offline software that can be found on the computers, including but not limited to calculator, Microsoft Excel and Microsoft Paint. However, requests regarding the lack of certain offline software may not be entertained. A software is deemed inappropriate if unfair advantages are gained by using it in solving problems.
- Contestants are not allowed to use of other online or offline resources, including but not limited to pre-written codes and AI software.
- Contestants are not allowed to use other computers and electronic devices such as mobile phones and calculators for any purposes, including calculation, visualisation, gaming, or any other non-coding activities.
- Draft papers would be provided on demand.
- Contestants should not give any hints or informing anyone about the problems and their code before the announcement of final results.

Organisers of the contest reserve the final right to explain and alter the above rules.