



Republic of the Philippines
Department of Education
Region VI – Western Visayas
SCHOOLS DIVISION OF CAPIZ

Division Advisory No. 011, s. 2023
January 16, 2023

In compliance with DepEd Order (DO) No. 8, s. 2013
this advisory is issued not for endorsement per DO 28, s. 2001,
but only for the information of DepEd SDO Capiz officials,
personnel/staff, as well as the concerned public.
(Visit www.depedcapiz.ph)

Attached is a letter from Prof. Danilo O. Ortillo, PhD, Regional
Coordination for Region VI PNCO, regarding the 2023 Philippine National
Chemistry Olympiad (PNCO) Regional Eliminations.

Participation to this activity is voluntary and subject to the no-
disruption of classes policy per **DepEd Order No. 09, s. 2005** (*Instituting
Measures to Increase Engaged Time-on-Task and Ensuring Compliance
Therewith*).

For more information, please contact:

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UNIVERSITY OF THE PHILIPPINES VISAYAS
College of Arts and Sciences
DEPARTMENT OF CHEMISTRY



December 29, 2022

MIGUEL MAC D. APOSIN, Ed.D., CESO V
Schools Division Superintendent
Division of Capiz
Roxas City, Capiz

Dear Superintendent Aposin,

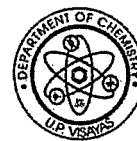
I am writing to invite the schools in the Division of Capiz to join the 2023 Philippine National Chemistry Olympiad (PNCO) Regional Eliminations on February 11, 2023. The National Committee scheduled February 4, 2023 for the elimination round but due to conflict with other scheduled Olympiads, several schools have requested to have the elimination round on February 11 instead. Each school can send three (3) delegates and the winners will compete in the National Round on March 04, 2023. The top 5 delegates will represent the country in the International Chemistry Olympiad.

With this letter, I am attaching both the regional and national guidelines to act as guide for those who will be interested in joining. The regional qualifying round will be conducted remotely and further instructions will be given to the coaches once they have submitted their respective application forms.

Thank you very much.

Respectfully yours,

PROF. DANILO O. ORTILLO, Ph.D.
Regional Coordination for Region VI PNCO
Mobile Number: 09173168101
E-mail: dortillo@gmail.com



2023 PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD REGIONAL ELIMINATIONS

FOR: Region VI Coaches and Invigilators
FROM: PNCO Region VI Coordinator
RE: Regional Elimination Guidelines
DATE: January 5, 2023

Dear Coaches,

Good day. Please be guided by the General Guidelines for the upcoming 22nd PNCO 2023 Regional Elimination Exam.

A. QUALIFICATIONS

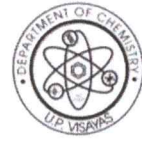
1. The participants must be Filipino citizens enrolled as high school students at the time of the 22nd PNCO 2023 Regional and National competitions.
2. To qualify for the IChO (International Chemistry Olympiad), the students must not be enrolled/ registered as college students during the duration of IChO.

B. REGIONAL ELIMINATIONS

1. The Regional Eliminations will be held on **11 February 2022 (Saturday) at 8:30AM**.
2. The Regional Elimination round will be conducted remotely either at the respective schools or at the residence of the participants.
3. The invitation for each school divisions have been sent out to the respective offices within Region VI.
4. Interested parties must inform the coordinator of their intent to participate by sending the completed application form together with a photocopy of the school ID of the participants by **04 February 2023 (Saturday)**.
5. A maximum of **three (3)** participants per school may register.
6. The coaches must provide the participants with an invigilator per student who will act as the proctor during the exam day. The invigilator will also immediately submit the results of the exam to the coordinator for evaluation.
7. The invigilator cannot be the coach or a science teacher at the school of the participant. In the case when the test is administered at the residence of the student, the parents or any relatives who is not a high school student and knows how to use a computer, a printer/scanner and has an email address can act as invigilator.



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C. NATIONAL FINALS

The top **five (5)** winners (Champion, 1st Runner-up, 2nd Runner-up, 3rd Runner-up and 4th Runner-up) in the Regional Eliminations qualify to compete in the 22nd PNCO 2023 National Finals on 11 March 2023 (Saturday).

Thank you very much.

Respectfully yours,


PROF. DANILO O. ORTILLO, Ph.D.
Regional Coordination for Region VI PNCO
Mobile Number: 09173168101
E-mail: dortillo@gmail.com

Advisory No. **059**, s. 2022

November 28, 2022

In compliance with DepEd Order (DO) No. 8, s. 2013
this advisory is issued not for endorsement per DO 28, s. 2001,
but only for the information of DepEd officials,
personnel/staff, as well as the concerned public.
(Visit www.deped.gov.ph)

**22nd PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD NATIONAL FINALS
OF THE PHILIPPINE FEDERATION OF CHEMICAL SOCIETIES**

The Philippine Federation of Chemical Societies (PFCS) announces the holding of the 22nd Philippine National Chemistry Olympiad 2023 (22PNCO2023) National Finals (Remote Access Exam) on March 4, 2023, via Zoom.

The PNCO is an annual competition in Chemistry (theory and laboratory skills) that aims

1. to promote chemistry at the secondary level;
2. to be the avenue for Chemistry teachers/coaches to convene and be updated about the high school Chemistry curriculum of other schools across the country and in the international setting;
3. to be the training ground and the selection venue for the Philippine delegates to the International Chemistry Olympiad (IChO); and
4. for the Philippines to maintain a respectable IChO standing.

The contest will determine the Philippine delegates to the 55th IChO on July 16–25, 2023 to be held in-person in Switzerland and hosted by the Swizz Chemistry Olympiad Association (SwissChO) and ETH Zurich.

The target participants must be Filipino citizens enrolled as high school students at the time of the 21st PNCO 2022 Regional and National competitions.

Participation of public and private schools shall be subject to the no-disruption-of-classes policy stipulated in DepEd Order No. 9, s. 2005 titled Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance therewith and the policy on off-campus activities stated in DepEd Order No. 66, s. 2017 titled Implementing Guidelines on the Conduct of Off-campus Activities.

For more information, please contact:

Ms. Jennifer C. Sy
PNCO Secretariat
Philippine Federation of Chemical Societies
Email Address: pnco2021team@gmail.com



GUIDELINES FOR CONTESTANTS AND INVIGILATORS (REMOTE ACCESS EXAM)

I. IMPORTANT DATES:

1. **Regional Chemistry Olympiad 2022: 04 February 2023 (Saturday)**
2. 22nd PNCO 2023 National Finals Registration: **15 February 2023 (Wednesday)** (11:59 PM, PST) - Give the complete name of each contestant and e-mail. Give the name of the invigilator, relationship to the contestant, e-mail and contact number.
3. 22nd PNCO 2023 ORIENTATION: **18 February 2023 (Saturday)** – Specific Time - TBA
4. 22nd PNCO 2023 DRY RUN: **25 February 2023 (Saturday)**– 1 Hour – Specific Time - TBA
5. 22nd PNCO 2023 NATIONAL FINALS: **04 March 2023 (Saturday)**– 07:30-14:30 (PST) via ZOOM

II. REGISTRATION AND REGISTRATION FEE:

1. Registration Form Link will be sent to the Regional Coordinators.
 - a) For COMPETING PARTICIPANTS
 - b) For NON - COMPETING PARTICIPANTS
2. The PNCO National Finals Registration fee is P 1,000.00 per region. Registration fee should be made thru bank payment. Bank details are as follows:

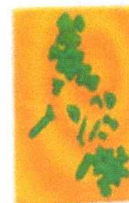
Account Name:	PHILIPPINE FEDERATION OF CHEMISTRY SOCIETIES, INC.
Current Account No.:	3081-1189-13
Bank Branch:	Bank of the Philippine Islands (BPI) Loyola, Katipunan Branch

- Please send a clear scanned copy/ photo of the bank transaction slip to Ms. Grace Insik, PFCs Secretary, at secretariat@pfcs.org.ph, cc jenclemsy@yahoo.com.
- Please write the following details on the bank transaction slip:

Region: Name of Regional Coordinator/ Payor – School or Office

III. EXAM MONITORING GUIDELINES:

1. For every 10 contestants, a Zoom link will be provided which will be manned by one proctor. The Zoom link has to be accessed once the printing of the exam documents have been allowed – 07:30. The participants must open their video and make sure to be muted. Any concern has to be coursed through a private message to the proctor in the Zoom meeting room.
2. The video must be focused on the area where the examiner will be seated. It should show the examiner, the documents he/she is writing on (even at a certain distance), and if possible, also show the perimeter of the room where the examiner is.
3. A second recording device may be used in the case that the Zoom link will be disconnected. This second device can be any recording device that will record the entire event simultaneously for purposes that the Zoom link will fail.
4. The whole event will be recorded on Zoom and the recordings only accessible to the 22nd PNCO 2023 Organizing Committee.
5. The Zoom link will end after the exam period at 14:30 (PST).



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6. Uploading of the answer sheets in the separate google forms per question provided have to be done immediately after 13:30 and can only be allowed until 14:30.
7. Alternative manner of submission – if google form uploading fails, the invigilator may submit via VIBER - details will be given during orientation on 26 February 2022 (Sat).
8. In cases where the contestant fails to submit the answers via the google form/VIBER (submitted beyond 14:30) for whatever reason, it will be deemed ineligible for checking, and the contestant will be automatically disqualified from the 22nd PNCO 2023 National Finals.

IV. BEFORE THE EXAM – 03 MARCH 2023 (Friday)

Make sure that you have prepared all materials needed for the exam:

1. Area must be clean and void of clutter.
2. Laptops to be linked to the Zoom meeting room for recording of the entire exam from PRINTING – UNTIL UPLOADING must be placed at a good vantage point (be guided by the dry-run that we did)
3. Food and water are prepared in advance for both invigilator and contestant.
4. Materials of the contestant are complete:
 - a) Pen (have extra black pens ready).
 - b) NON-PROGRAMMABLE CALCULATOR (make sure battery is still okay and maybe just another NON-PROGRAMMABLE CALCULATOR back-up – just in case)
 - c) RULER
5. Printer – no need to be colored – good black and white quality print setting is enough – make sure that upon printing the figures and text are clear.
6. Papers – a lot of paper – A4 SIZE.
7. Scanner – place the appropriate resolution setting – do test the appropriate resolution setting before 04 March 2023 (Sat). The resolution must be of good reading and clear images are seen on the screen upon scanning and converting to pdf of the document – again test this beforehand.
8. Extra recording devices – fully charged and placed in the proper areas to record simultaneously as the Zoom meeting is also being recorded. Time on the recording devices should follow PST and must be similar to the laptop used for the online link as well.
9. If possible (it really will be good) provide a visible WALL CLOCK that reflects the time that is also similar on all recording devices.
10. Internet connections must be good and have back-up in case it will be lost – place already the wifi links into the laptop so connectivity can easily be accessed.
11. Attire – school uniform for contestants and smart casual or business attire for invigilators.

V. EXAM DAY – 04 MARCH 2023 (Saturday, before 08:30, PST)

A. FOR THE INVIGILATOR

A.1. PREPARATION OF THE EXAM AREA AND EXAMINER'S NEEDS

- A.1.1. Make sure that the exam area is clean and void of clutter. Place the prepared meals and drink for the examiner. Check the pen, pencil, calculators to be used.





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A.1.2. Wait for the e-mail containing the questionnaire and answer sheet for the 22nd PNCO 2023 NATIONAL FINALS. This will be sent 1 hour before the start of the exam at 08:30.

A.2. EXAM DOWNLOADING AND PRINTING

A.2.1. Download the questionnaire and answer sheet documents and print it. Make sure that the code on the document (Contestant's number code) are present. The code will be given a day before. Access to the exam will be available starting 07:30 (PST). You will have 1 hour to print the exam document.

A.2.2. When printing the question files. Please know that it contains the following parts:

1. Pages where the code is Q – stands for Question page.
2. Pages where the code is A – stands for Answer sheet page.

NOTE: NO WORKHEET PAGE WILL BE PROVIDED.

****IN THE EVENT THAT THE CONTESTANT REALLY NEEDS MORE SPACE FOR THE ANSWERS – THEY MAY BE GIVEN A BLANK SHEET BUT THIS MUST BE PROPERLY LABELED BY THE CONTESTANTS AS "EXTRA ANSWER SHEET FOR Q" _ (INDICATE QUESTION NUMBER AND WHAT ITEM UNDER THAT QUESTION) ****

A.3. AFTER PRINTING

A.3.1. Organize the printed pages following the page sequence. After a question, comes an answer sheet for that question. Make sure that these are followed in sequence.

A.3.2. Make sure that the contents of the printed documents are complete. Double check them before giving them to the contestants by verifying back to the DOWNLOADED FILE – (try to view if the contents are similar)

A.4. SAFE KEEPING

A.4.1. If materials were printed in advance before the exam at 08:30 (PST) – please make sure that they cannot be seen by the contestants and that no information whatsoever about the contents of the exam is given to them. Please observe academic honesty.

A.4.2. Keep the documents collated in a folder (do not staple the documents) and keep in a safe place and without access from another person.

B. FOR THE CONTESTANTS

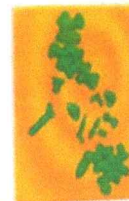
B.1. Do not in any way have contact/communicate anything regarding exam content with the invigilator once they receive the exam.

B.2. Get enough sleep and do not anymore stress about further studying.

B.3. Eat a good meal that is enough and have some snacks ready for the main event.

B.4. Relax and just prepare the materials that you need for the exam:

- a) Pen (have extra black pens ready).
- b) NON-PROGRAMMABLE CALCULATOR (make sure battery is still okay and maybe just another NON-PROGRAMMABLE CALCULATOR back-up – just in case)
- c) RULER



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- B.5. During the exam only question pages and answer sheets will be provided by PNCO – scratch work may be written at the back of the question pages but will not be included in the files to be scanned and sent to PNCO.
- B.6. Make sure that all pertinent and relevant solutions are placed on the answer sheet provided by PNCO – limit and if possible do not place your answers on any page that is not the answer sheet provided by PNCO.
- B.7. Practice good penmanship and ensure that the structures that you will draw are moderately sized enough such that upon scanning and generating the pdf it will be very clear and visible. Please do have a test run on this particular item.
- B.8. Condition your mind on how you will strategize and how you should pace yourselves for the entire 5 – hour exam. Exam answering is within 5 hours. Printing and uploading is done outside the 5 – hour period.

VI. DURING THE EXAM – 04 March 2023 (Saturday, 08:30 -13:30, PST)

A. FOR THE INVIGILATOR

- A.1. Provide the exam documents at 08:30 (PST) and signal the START sign to the contestants.
- A.2. Constantly monitor if everything is working – the connection to the Zoom link, see chat box if the PNCO is communicating with you, if the PNCO Organizing Committee gives you a messenger link to a group – check the messages constantly.
- A.3. If you encounter any problem at all – technical or whatsoever – the proctor assigned by PNCO will address this concern, kindly send them a private message in the Zoom link or via their Viber number.
- A.4. Make sure to record the times of downloading, printing, start of exam, bathroom breaks, end of exam, scanning and uploading on a report chart that might probably be given along the other exam documents – please make sure that you have signed it for verification purposes.
- A.5. At 30 minutes before the 5 – hour exam period ends - give a warning that there are just 30 minutes left.
- A.6. At the end of the 5 – hour period – indicate the STOP sign and collect all exam documents.

B. FOR THE CONTESTANTS

- B.1. Wait for the signal of the invigilator that you can START answering the exam. You are not allowed to ask any questions about the exam. Read the guidelines from the exam documents provided.
- B.2. Relax and focus only on exam taking.
- B.3. If you wish to go for a bathroom break you have to raise your hand and the invigilator must approve that you go on a bathroom break.
- B.4. If you wish to request for anything – raise your hand so the invigilator can attend to your needs.
- B.5. You can have some snacks while taking the exam.



PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD

VII. AWARDS

1. Each participant, coach and invigilator will be given certificate of participation.
2. Announcement of winners will be done a week after, 18 March 2023 (Sat) through official PFCS letter.
 - a) The upper 50% of the participants will be awarded Gold, Silver and Bronze Awards.
 - b) Alex A. Tardaguila Awards will be given to the top three (3) winners.
3. The composition of the Philippine delegation to the 55th International Chemistry Olympiad (IChO 2023) shall be announced by PFCS according to the revised PFCS guidelines. IChO 2023 will be held on 16 – 25 July 2023 to be hosted by Switzerland.

ADDITIONAL RULES AND GUIDELINES FOR 22nd PNCO 2023 NATIONAL FINALS 04 MARCH 2023 (Saturday)

OFFICIAL CONTESTANTS:

1. Only those who will be able to join on or before 08:00 (PST) of 11 March 2022 (Sat) in the Zoom meeting will be considered officially part of the 22nd PNCO 2023 NATIONAL FINALS.

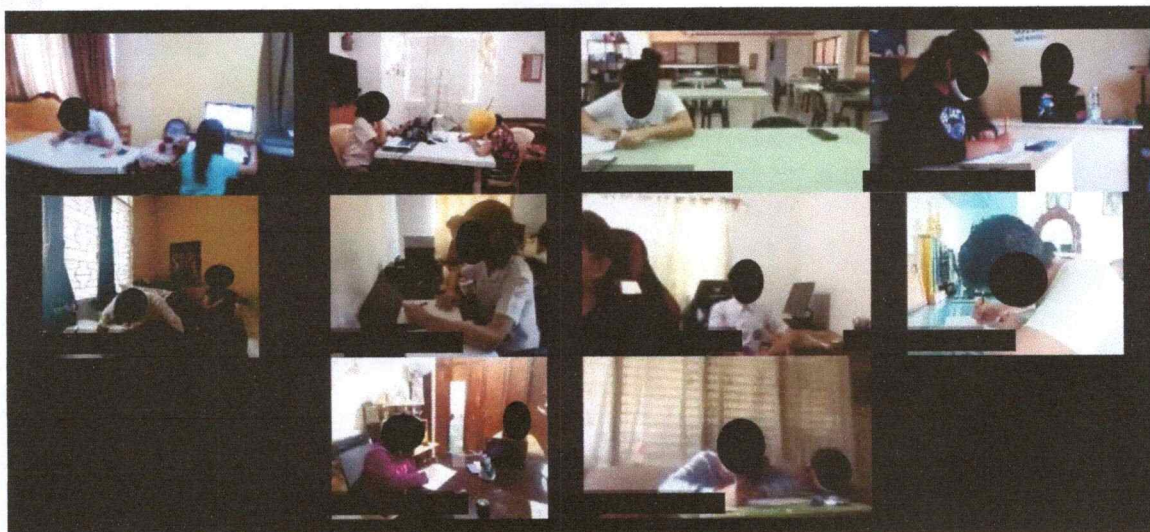
NOTE 1: If both the invigilator and contestant are not in the Zoom meeting by 08:00, the contestant can no longer participate in the 22nd PNCO 2023 NATIONAL FINALS.

NOTE 2: The INVIGILATOR AND CONTESTANT must simultaneously be present once the invigilator has joined the Zoom meeting. Please join at 07:15 (PST) to avoid delays in the verification process and the receipt of the questions.

2. If upon entering the meeting, the contestants fail to still show the proper video view for the contest, they will be asked to comply with the proper arrangement before the questionnaire will be given to them. This will be allowed only until 09:00 of 11 March 2022 (Sat). Beyond 09:00 (PST) and the contestant has not complied yet, they will be deemed ineligible to participate in the 22nd PNCO 2023 NATIONAL FINALS and will be asked to leave the meeting.

NOTE: Shown in the figure below is the model video view that has to be seen in the Zoom meeting by the proctors:

The view must include: Half body of the contestant, including writing table, the immediate surroundings of the contestant and invigilator – including the printer, scanner, or other laptop to be used. The perimeter where the invigilator and contestant will be located must be within the video the whole time. This guideline and set-up must be followed else it will be grounds for disqualification from the event.



3. **If a contestant/invigilator fails to follow any of the guidelines however minor it may be, the proctor will be counting 3 instances of any disobedience or deviating actions by the participants. For each instance the proctor will give a warning through the tech support team/Zoom chatbox. If there will be another violation after the second instance (3rd violation) the contestant will be ineligible to continue in the contest and will be asked to stay for the remainder of the time for security purposes but will not anymore be considered a competing participant in the event.**

ASKING QUESTIONS DURING THE CONTEST PROPER:

The proper channels for asking questions (**which can only be done by the invigilators**) is through the following:

1ST OPTION: Invigilators may first ask questions through the Zoom chatbox and this will be answered by the proctors. **DO NOT** unmute and voice out your question because this will disturb the other examinees.

2nd OPTION: If you suddenly lose connection with the Zoom meeting, you may send a message through Viber to the tech support assigned for your room. (Be sure to inquire about this at the start if you have not been included in the Viber group). If you will be sending an inquiry, please type your invigilator code then the inquiry. **For example: IN001: Where do we submit the exam?**

3rd OPTION: If you do not have internet, you may text or call the Viber number of the tech support assigned to your room. They will immediately answer your concern. Please indicate your invigilator code upon texting and upon calling.

The tech support will contact the invigilator in some cases when an urgent concern must be addressed regarding their contestant or with regards to matters about the event.

Your numbers will be kept confidential and will only be used for the purposes of the event.



QUESTIONS FROM CONTESTANTS:

Contestants are NOT ALLOWED TO ASK QUESTIONS during the exam period. They can only signal if they wish to go to a bathroom break/eat/if they need extra sheets by raising their hand and asking permission from the INVIGILATOR.

If there are any rules that are not clear to the contestants these have to be clarified before 08:15 (PST) to the proctors in the Zoom meeting.

ROLE OF PROCTOR:

1. The proctors will be the main arbiters of the contest. They are the immediate authority to decide on whether the contestants have violated any guideline/rule for the event. They have the authority to deem the contestant ineligible due to violations and non-compliance after 2 warnings. The third warning will be the last warning given, upon committing a 3rd violation, the contestant will no longer be considered in the competition but will need to stay in the meeting until the event finishes for security purposes.
2. The proctors will need to verify the identity of the contestants and invigilators before granting access to the questionnaire. Once the identities have been verified, the invigilator will receive the questionnaire as a single document sent to the official registered e-mail of the invigilator. You need a gmail e-mail account for this. The questionnaire will NOT be sent to the e-mail of the contestant. The contestant should not see the questionnaire and will only access it as a hard copy at 08:30 (PST).
3. The proctors will be the first to address any problems encountered. If the problem is too difficult to attend to, they will send the concern to the tech support and the tech support will address the concern.
4. The proctors will signal the start of the event and when it finishes as well. All contestants must start promptly at 08:30 and end at 13:30.
5. The proctors will oversee the entire process from downloading the questionnaire until uploading.
6. The proctors will need to check the submitted answer sheets if they are complete and readable. They must give immediate feedback if there is a need to re-upload a particular file.

ROLE OF THE INVIGILATOR:

1. You have to make sure that the submitted answer sheets are in the proper order before scanning and that the files have been scanned clearly. Please be guided by the table of contents to check the pages.
2. Make sure to affix the correct file name for each file of answer sheets that corresponds to that particular part of the exam. Please be guided by the table of contents to check the pages.
3. Monitor the time that the contestant takes bathroom breaks, start and end of the exam, etc. This must be placed in the record chart that will be provided together with the questionnaire. This must have the sign of both the invigilator and the contestant.



4. **NO CHANGE in the invigilators will be accommodated after 21 FEBRUARY 2023 (TUE). Make sure to communicate to the regional coordinators any changes before 21 FEBRUARY 2023. If a different invigilator is present on 25 February 2023 (the participants will be ineligible to join the event).**

CONTEST RESULTS:

The contest results (checked papers) will not be made available to the participants. The judge's decision and grades will be deemed final. The judges will ensure that the checking process will be triple checked to avoid biased distribution of points.

DATA PRIVACY AND CONFORME DOCUMENTS:

All participants – contestants, invigilators and coaches need to submit two documents:

1. Declaration of Conformance sheet (Document which states that the participants will abide by the contest rules)
2. Press and Publicity Consent (Consent form for the use of the information solely for the purpose of the contest and will not be shared outside the PNCO organizing committee)
3. Submission of the above documents is only until 21 February 2023 (Tuesday).

SUBMISSIONS:

1. For each part of the exam, the answer sheets have to be scanned and collated into one document. Use batch scanning to do this. Convert the scanned document into a pdf file. Affix the proper filename.

Filename must have this format: **"STUDENTCODEPNCO2023ASPART#"**

For example: If the student code is C001; and you are submitting answer sheets for Part 1, then the filename should be: **C001PNCO2023ASPART1**

2. SUBMISSION OPTIONS:

1ST OPTION: (VIA GOOGLE FORM LINKS): PREFERRED OPTION

You will receive an e-mail at 13:30 (PST) for you to be able to submit your files. The e-mail will contain 6 submission links:

Submission link for Part 1: FOR ANSWER SHEET OF PART 1

Submission link for Part 2: FOR ANSWER SHEET OF PART 2

Submission link for Part 3: FOR ANSWER SHEET OF PART 3

Submission link for Part 4: FOR ANSWER SHEET OF PART 4

Submission link for Part 5: FOR ANSWER SHEET OF PART 5

Submission link for Part 0: FOR REPORT CHART

Click on the submission link and you will be directed to a google form. In the google form, you need to place the:

1. STUDENT CODE
2. UPLOAD THE FILE THAT CORRESPONDS TO THE PART INDICATED IN THE SUBMISSION LINK



Click submit.

2nd OPTION: (VIA VIBER MESSAGE – AS AN ATTACHED FILE):

ONLY IF there is no internet connection and submission via a google form will be difficult.

Upon submitting via Viber, follow the steps below:

1. Scan using a phone application like CamScanner – SCAN BY BATCH
2. Place the proper filename
3. Send as a pdf file to the Viber number given for the submission.

NOTE: DO NOT USE BOTH OPTIONS – Only send using OPTION 1: google form –preferred submission. If this is not possible, TRY TO DO IT AGAIN. If it will really be not possible, you may send using OPTION 2: Viber (last resort). Do not send both on the google form and in Viber. – If it will be sent to both options, the submission will NOT be accepted.





**FINAL REMINDERS FOR 22nd PNCO 2023 NATIONAL FINALS
04 MARCH 2023 (Saturday); 07:15 – 14:30 (PST)**

DAY BEFORE THE EXAM (03 MARCH 2023, Friday):

FOR CONTESTANTS:

1. Get enough sleep and relax before the exam date.
2. Prepare the materials ahead of time: Ball pen (black ink only), non-programmable calculator, and ruler.
3. Remove the following on your working area, table or pockets. These are not allowed during the exam.
Laptop Cellphones
Ipad, ipod and other gadgets
Scratch papers or extra sheets of paper that are not part of the printed material from PNCO
Correction tape
4. Prepare the food/snacks and this must be within reach in the exam area.
5. Read the final reminders and guidelines. Make sure these are understood and if not, communicate with your coach to clarify it.
6. Help your invigilators in trying to navigate the Zoom app, google email, google form, printing, scanning, use of Viber etc. Please give some time to allow them to do things confidently without your help. Try practicing several times before the main event.
7. Be in your school uniform during the exam day. If this is not available, wear a polo shirt or blouse or be in a smart casual attire

FOR INVIGILATORS:

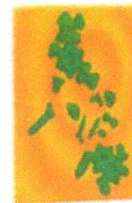
1. Know the tasks that you are supposed to do for the event itself. Look at the guidelines or re-watch the orientation to refresh your memory of the duties and role of the invigilator.
2. Prepare the venue of the exam a day before – make sure that everything is working:
 - a) Printer – Must have enough black ink (no need to be colored)
 - b) Scanner – Must already have the correct resolution setting
 - c) Paper – A4 size. (IMPORTANT)
 - d) Gadgets for secondary recording device – fully charged
 - e) Phone for Viber contacting – PNCO – must have the proper name of the invigilator.
 - f) Time on the laptop or gadget used for the Zoom meeting and as a secondary recording device.
 - g) Wall clock
 - h) Food/snacks for contestant and invigilator
 - i) Things that can be used while waiting – books to read etc.
3. Practice beforehand the use of the applications such as Zoom, Viber, Google e-mail and forms, CamScanner. Also know how to use the printer, scanner, file saving manner etc.
4. Clarify any unclear guideline with contestant/coach.
5. Be in a smart casual or casual business attire during the exam day.



ON EXAM DAY: 04 MARCH 2023 (Saturday)

INVIGILATOR AND CONTESTANT:

1. Join the Zoom meeting as early as possible – 07:15 (CONTESTANT MUST ALREADY BE PRESENT ONCE THE INVIGILATOR JOINS THE ZOOM MEETING). **Make sure to have the full name of the contestant is placed as the Zoom name.**
Note: NO ONE WILL BE ALLOWED TO JOIN AFTER 08:00 (PST).
2. Allow the proctor to check the video view of the exam area and wait for the approval of your set-up.
NOTE: If the video view/set-up is incorrect the participants will be asked to comply until 09:00 (PST) only.
3. Upon the signal of the proctor, allow them to verify your identity by allowing them to see your face in the video in a closer range. Wait until verification is done. Go to your place in the exam area and **DO NOT WATCH WHILE THE INVIGILATOR IS DOWNLOADING THE QUESTIONNAIRE.**
4. The invigilator will be receiving an e-mail that contains the questionnaire once their contestant's identity has been verified.
5. The invigilator can download and print the document and double check the contents by looking at the number of pages and the table of content page.
Note: DOWNLOADING AND PRINTING WILL BE ALLOWED FROM 07:30 – 08:30 (compliant) and until 09:00 (PST) ONLY (for late compliance).
6. The invigilator has to keep the questionnaire and not allow the contestant to have access to it until the exam will start.
7. At exactly 08:30 (PST) , the exam document must be given to the contestant, and they may start answering.
8. While waiting from 08:30 – 13:30, the invigilator may do something else but be sure to always be aware of the needs of the contestant and any chat from the proctor in the Zoom meeting. Also check if you are still connected to the Zoom meeting, immediately reconnect when you got disconnected.
9. **IMPORTANT: For the contestant, AVOID using answer sheets that are not part of the document provided by PNCO. Make sure to fit your solution/answers to the area of the answer sheet provided by PNCO. Do not use correction fluid/tape in erasing incorrect answers. Simply clearly cross out the incorrect answer and DO NOT WRITE OVER IT. Indicate clearly what is your final answer.**
10. If there is a need for an extra answer sheet – label it properly - place the label on the upper right corner of the page and write the following label:



EXTRA ANSWER SHEET FOR PART # Q #, STUDENT CODE NAME OF STUDENT AND SIGNATURE

11. At 13:30, contestants must STOP writing and the document given to the invigilator. All pages must be submitted to the invigilator. Make sure to just separate the answer sheets to be scanned and perhaps it will be better for you to organize these answer sheets before handing them to the invigilators.
12. From 13:30 – 14:30, the invigilators must check the contents of the answer sheet so that it has the important information present and the order of pages is correct. Then the answer sheets belonging to one part of the exam must be scanned by batch. Converted to a pdf file and given the appropriate filename.

Filename must have this format: "**STUDENTCODEPNCO2023ASPART#**"

For example: If the student code is C001; and you are submitting answer sheets for Part 1, then the filename should be: **C001PNCO2023ASPART1**

13. Go to the e-mail which contains the google form links and then click on the link for the particular part to be uploaded. Fill-up the necessary information and then upload the file and submit. Do the same for the other files and report chart.
14. Verify if the google forms have been submitted/received and if the contents are correct – this will be checked by the proctors.
15. **The contestant must stay in the video of the Zoom meeting from 13:30 – 14:30, they should remain seated and may have their snacks. They cannot help the invigilators in printing, scanning, and uploading the answers. They should not have access to any exam document after 13:30. Once all answer sheets have been submitted, the contestant and invigilator may leave the meeting upon signal of the proctor – do not leave without the notice from the proctor.**

For inquiries, you may contact: PNCO Secretariat (Jennifer Sy) pnco2021team@gmail.com.

Jennifer C. Sy
PNCO Secretariat

cc: PNCO COMMITTEE



PHILIPPINE FEDERATION OF CHEMISTRY SOCIETIES, INC. PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD



22PNCO203 MEMO – 001

FOR: ALL 22nd PNCO 2023 REGIONAL COORDINATORS

FROM: PNCO SECRETARIAT

RE: 22nd PNCO 2023 General Guidelines

DATE: 20 October 2022

Dear Coordinators,

Good day!

Please be guided by the General Guidelines for the upcoming 22nd PNCO 2023.

A. IMPORTANT DATES:

1. 22nd PNCO 2023 REGIONAL Eliminations: **04 February 2023 (Saturday)**
2. 22nd PNCO 2023 National Finals Registration: **15 February 2023 (Wednesday)**
3. 22nd PNCO 2023 National Finals Orientation: **18 February 2023 (Saturday)**
4. 22nd PNCO 2023 National Finals DRY RUN: **25 February 2023 (Saturday)**
5. 22nd PNCO 2023 NATIONAL FINALS (Remote): **04 March 2023 (Saturday)**

B. QUALIFICATIONS

The participants must be Filipino citizens enrolled as high school students at the time of the 21st PNCO 2022 Regional and National competitions. (Note: To qualify for IChO – International Chemistry Olympiad, students must not be enrolled/ registered as college students during the duration of IChO).

C. REGIONAL ELIMINATIONS

1. The 22nd PNCO 2023 Regional Eliminations will be held across the country on 04 February 2023 (Saturday) to be hosted by their respective Regional Organizer/s. The Region may hold the Eliminations on a later date as long as they will meet the deadline in registering the Regional delegates for the National Finals on or before 15 February 2023 (Wednesday).
2. Regional organizers have the authority to set their own modality on how to conduct the Regional Eliminations.
3. The regional organizers are expected to send out an invitation. Interested parties must feel free to inform the organizers of their intent to participate
4. A maximum of **three (3)** participants per school may register.
5. A school may have a maximum of three (3) coaches (one coach per student).

D. NATIONAL FINALS

1. The top **FIVE (5)** winners (Champion, 1st Runner-up, 2nd Runner-up, 3rd Runner-up and 4th Runner-up) in the Regional Eliminations qualify to compete in the 22nd PNCO 2023 National Finals on 04 March 2023 (Saturday).
2. Those who have participated in an IChO and who remain eligible for the same are automatically qualified to join the National Finals without having to compete in the regionals. This means that the schools whose student/s represented the Philippines in the previous year's IChO can still send a maximum of three other candidates to the regionals on top of the IChO participant.
3. Deadline for the submission of names of participants for the Nationals, to be endorsed by the Regional Coordinator, is on 15 February 2023 (Wednesday). Please provide the following details in the endorsement:





PHILIPPINE FEDERATION OF CHEMISTRY SOCIETIES, INC. PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD



- Date of Regional Eliminations, Modality
- Number of Regional Student – Participants and School – Participants
- Name of Student, School, Rank, email, contact number, copy of school ID, copy of ID Picture
- Name of School Coach, email, contact number, copy of ID picture
- Name of Invigilator, relation to the student, email, contact number, copy of ID picture

*Note: Submission of school ID and ID picture is via Google Forms. **Filename format for ID / picture.***

- Student ID: Region_Name of Student_School Abbreviation
- Student picture: Region_Name of Student
- Coach ID: Region_Name of Student_Coach
- Invigilator ID: Region_Name of Student_Invigilator

E. CONTEST COVERAGE:

Matter and its properties	Electronic Structure and Periodicity	Thermochemistry
Measurements	Chemical Bonding - Ionic Bonds	Chemical Kinetics
Atoms, Molecules, and Ions	Covalent Bonds	Chemical Thermodynamics
Stoichiometry	Organic compounds	Chemical Equilibrium
Gases	Intermolecular Forces and Liquids and Solids	Acid-Base Equilibria and Salt Equilibria
Electronic Structure of Atoms	Physical Properties of Solutions	Electrochemistry

Questions involving more advanced topics may also be included. These advanced topics may cover:

1. Solid state and coordination chemistry (e.g., crystal structures, crystal field theory, and isomerism of inorganic complexes)
2. Thermodynamics (e.g., gases, liquids, solids, temperature dependence of equilibrium constants, electromotive force, and Gibbs free energy)
3. Electrochemistry and electrochemical analysis (amperometry, voltammetry, conductometry, and potentiometry)
4. Kinetics (catalysis, the Arrhenius equation, and integrated rate laws)
5. Organic chemistry (stereoisomerism, simple stereocontrolled organic transformations, [4+2]-cycloaddition, and [3,3]-sigmatropic rearrangement)
6. Spectroscopy (correlation of simple organic structures with their ¹H-NMR, ¹³C-NMR, or IR data.)
7. Analytical Chemistry (acid-base titrations, complexometric titrations, redox titrations, spectrophotometry, and Beer-Lambert's Law)

Please see attached list of Regional Coordinators for the 22nd PNCO 2023, and the 22nd PNCO 2023 Guidelines and Mechanics for Student, Coach, and Invigilators.

Thank you very much.

Respectfully,

Jennifer C. Sy
PNCO Secretariat

cc:

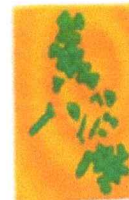
PNCO COMMITTEE





PHILIPPINE FEDERATION OF CHEMICAL SOCIETIES

Unit 233 Citiland Pioneer, 128 Pioneer St., Highway Hills, Mandaluyong City 1552 Philippines



PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD

22nd Philippine National Chemistry Olympiad 2023 (22nd PNCO 2023)

REGIONAL COORDINATORS

Region	Name of Regional Coordinator	E-mail/ Mobile Number/ messenger	Institutional Affiliation Address
NCR	Franz Jabin Kirbie C. Garcia.	upchemsoc@yahoo.com	UP Chemical Society University of the Philippines Diliman
1 (Ilocos Reg)	Precious Tricia Lozano	clschemicalsociety@gmail.com 09615950430	Chemical Society Central Luzon State University Science City of Munoz, Nueva Ecija
2 (Cagayan Valley)			
3 (Central Luzon)			
CAR			
4A (CALABARZON)	Judy Kristel V. Bayalas	jvbayalas@up.edu.ph 09177397355	Kapisanang Kimika ng Pilipinas -Southern Tagalog Institute of Chemistry, College of Arts and Sciences University of the Philippines Los Baños
4B (MIMAROPA)			
5 (Bicol Reg)	Magnolia Vida A. Cano, RCh	mvacano@bicol-u.edu.ph	Chemistry Department, College of Science, Bicol University, Legazpi City PACT Bicol
6 (Western Visayas)	Danilo O. Ortillo, PhD	dortillo@gmail.com 09173168101	Rm 216 Tomas Fonacier Building Department of Chemistry University of the Philippines Visayas Miagao, Iloilo, 5023
7 (Central Visayas)	Eugene T. Bacolod, PhD	etbacolod@usc.edu.ph (032) 230-0100 local 157	Department of Chemistry, University of San Carlos, Nasipit, Talamban, Cebu City
8 (Eastern Visayas)	Mark Ryan R. Tripole	mark.tripole@vsu.edu.ph 09201196784	Department of Pure & Applied Chemistry Visayas State University Baybay City, Leyte, Philippines
BARMM (Bangsamoro Autonomous Region in Muslim Mindanao)	Oliver V. Aromin	nimrov@yahoo.com	Chemistry Dept, College of Natural Sciences and Mathematics, MSU, Marawi
CARAGA (Caraga Administrative Region)	Mark Anthony M. Lavapie	mmlavapie@carsu.edu.ph 09985359620	Caraga State University, Ampayon, Butuan City
9 (Zamboanga Peninsula)	Sheeva M. Yahcob- Saddalani RCh, Ed.D.	shess@chemist.com sheeva.saddalani@wmsu.edu.ph	ICP-ZAMPEN; Chemistry Department, WMSU
10 (Northern Mindanao)	Ann Marian Lou Ortega Eslop	aeslop@xu.edu.ph 09054593666	Chemistry Department, Xavier University.
11 (Davao Reg)	Christine Marie M. Tupaz, RCh	cmmtupaz@gmail.com	ICP-SoMin Chapter
12 (SOCCSKSARGEN)	Elly Paul A, Tomas, RCh	elipolthequimico@gmail.com	ICP-Sox Chapter