

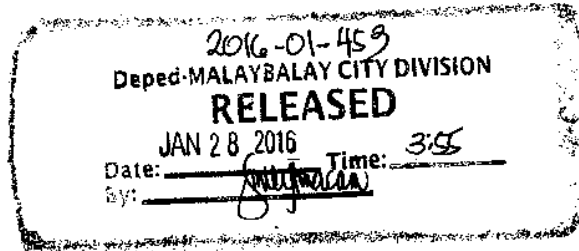


DEPARTMENT OF EDUCATION
Region X- Northern Mindanao
DIVISION OF MALAYBALAY CITY
Casisang, City of Malaybalay
Telefax # 088-314-0094, E-mail add: dpimhblycity@yahoo.com
Website: <http://depedmalaybalay.net>



DIVISION MEMORANDUM
No. 043 s. 2016

To : **Secondary School Heads**



From : *Edilberto L. Oplenaria*
EDILBERTO L. OPLENARIA, CESO VI
Schools Division Superintendent

Date: January 27, 2016

Re : **Dissemination of Regional Advisory dated January 13, 2016 Re: " REGIONAL CHEMISTRY OLYMPIAD 2016"**

1. For information and guidance of all concerned, enclosed is a copy Regional Advisory dated January 13, 2016 RE : **"REGIONAL CHEMISTRY OLYMPIAD 2016"** which is self- explanatory.
2. Interested participants must be recommended by their School Heads to ensure that there is no disruption of classes in compliance to DepED Order No. 9 s. 2005 re: "Instituting Measures to Increase Engage Time on Task and Ensuring Compliance Therewith" and shall be submitted to this office attention : ANALY L. OCIER, EPS in Science on or before February 4, 2016.
3. Attendance to the said activity is on **official time only**.
4. Immediate dissemination of this Memorandum is desired.

To be indicated in the perpetual Index
Under the following subjects:
School Heads Contest/Competition
Schools Science

Memo no. 4 s. 2016
CID/alo



Republic of the Philippines
Department of Education
REGION X-NORTHERN MINDANAO
Fr. Masterson Avenue, Zone 1 Upper Balulang
Cagayan de Oro City 9000



DepED-X
Cagayan de Oro City

REGIONAL ADVISORY

To: **The Schools Division Superintendents**
This Region

Attention: Division EPS Science

FROM: **ALLAN G. FARIÑO, Ph.D., CESO IV**
Regional Director

Date: January 13, 2016

SUBJECT: **"REGIONAL CHEMISTRY OLYMPIAD 2016"**

Enclosed is the letter of invitation from Ma. Cecilia V. Almeda and Mr. Higinio R. Barros, Jr. of the Integrated Chemists of the Philippines, Chapters XXII/ARMM/CARAGA re: Philippine National Chemistry Olympiad 2016.

For information and appropriate action.

25 JAN 2016

518
RECEIVED



PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD 2016

Regions X/XII/ARMM/CARAGA



DepED-X
Cagayan de Oro City

January 8, 2016

08 JAN 2016
RECEIVED

Atty. Shirley O. Chatto
OIC, Office of the Regional Director
Department of Education - Region X
Masterson Avenue, Zone 1, Upper Balulang, Cagayan de Oro City

Dear Atty. Chatto:

Greetings from the ICP-KKP!

The Integrated Chemists of the Philippines (ICP) and the Kapisanang Kimika ng Pilipinas (KKP) are two national organizations of professional chemists and chemistry practitioners. The Philippine Federation of Chemical Societies (PFCS) in partnership with Xavier University-Ateneo de Cagayan Department of Chemistry, Mindanao State University-Iligan Institute of Technology (MSU-IIT) Department of Chemistry and Central Mindanao University (CMU) Department of Chemistry will be holding the **Regional Chemistry Olympiad 2016**. The Olympiad is conducted with the hope of:

1. promoting excellence in Chemistry among the young;
2. promoting Chemistry as a profession; and
3. serving as a venue for discovery of talents that can represent the country in international Chemistry competitions.

The **REGIONALS** will be held simultaneously across the country coordinated by a National Committee through the PFCS network (mainly through PACT, KKP, ICP regional chapters). This will be on **February 6, 2016**.

For the Regionals, the quiz will be in written format only. The questionnaire will be constructed by a national committee and will be delivered to the designated regional coordinators via courier. The top 3 competitors from each region will move up to the national level. The tentative date for the nationals is **May 14, 2016**. It will be held in Metro Manila at a venue which will be announced later. The top 10 from the Nationals will constitute the Phil National IChO (International Chemistry Olympiad) Pool.

Considering that the quiz will be in written format only (as opposed to the quiz bee and hands-on laboratory examination in the previous editions), we have decided to forgo with the area eliminations and invite all interested schools during the REGIONALS which will be held simultaneously on February 6, 2016 at three (3) different venues: Xavier University, Cagayan de Oro City; MSU-IIT, Iligan City and; CMU, Maramag, Bukidnon. The results for the Cagayan de Oro, Iligan and Bukidnon examinations will be tallied collectively and the top three scorers will represent Region X in the 15th Philippine National Chemistry Olympiad on May 2016.

We are inviting all public, private and national high schools to send three (3) students currently enrolled in the third year or lower and a mentor to join in the Regional Eliminations. Attached herewith are the guidelines of the competition. We are giving out certificates for all participants, coaches, and the winners of the area, cash prizes and medals to the regional and national level winners.

In this regard, we would like to request your good office to endorse the said events by sending regional and/or division memoranda to the schools involved. Thank you for the kind attention given to this letter. We hope for your support on this upcoming event, especially to the high school chemistry teachers from different public schools who would be devoting their time in coaching the competing students, to support their enthusiasm in chemistry.

We are looking forward to hear from you soon. Thank you.

Sincerely yours,



Ma. Cecilia V. Almeda
Coordinator
Regional PNCO Committee
Chapters X/XII/ARMM/CARAGA
E-mail: sesillea@gmail.com
Contact No: 09167849781



Mr. Higbino R. Barros, Jr.
President
Integrated Chemists of the Philippines
Chapters X/XII/ARMM/CARAGA
E-mail: hbarros@xu.edu.ph
Contact No: 09279369933

REGIONAL CHEMISTRY OLYMPIAD 2016 GUIDELINES

A. The Contestants

1. All participating schools must confirm their attendance on or before January 29, 2016. Please confirm by calling, texting, or sending an e-mail to the following contact persons.

Contest Venue	Xavier University	MSU-IIT	Central Mindanao University
Name	Jeffrey F Tumampos	Ma Cecilia V Almeda	Felvin E Coludo
Contact No	09264502266	09167849781	09088138780
E-mail	jtumampos@xu.edu.ph	sesillea@gmail.com	coludofec@gmail.com

2. Each school shall send at most three (3) students, all of whom must be in high school by SY2016-2017 which means that the student must be Grade 10 or lower. The coach must also be employed on the same school.
3. The participants shall fill up the registration forms an hour before the contest starts. Registration starts at 7:30 AM.
4. Participants must wear their proper school uniform and valid school IDs.

B. Coverage

1. The contest questions include topics from General Chemistry, basic Organic Chemistry and basic Biochemistry.
 - Atomic Theory
 - The Periodic Table
 - Trends in Periodic Properties
 - The Mole
 - Stoichiometry
 - Chemical Bonding
 - Ionic and Covalent Compounds
 - Acids and Bases (pH, K_a , K_b)
 - Chemical Equilibria
 - Classes of Chemical Reactions
 - Chemical Kinetics
 - Precipitation Reactions (K_{sp})
 - Oxidation-Reduction Reactions
 - Enthalpy
 - Entropy
 - Free Energy
 - Calorimetry

- Atomic and Molecular Orbitals
- Orbital Hybridization
- Molecular Geometry
- Lewis Structures
- Gas Laws
- Intermolecular Forces
- Phase Diagram
- Concentrations of Solutions
- Colligative Properties
- Electrochemistry
- Nuclear Chemistry
- Classes of Organic Compounds
- Functional Groups
- Organic Reaction Mechanisms
- Organic Spectroscopy (H-NMR, C-13 NMR, IR, Mass Spec)

C. Mechanics

1. A 50-item multiple choice examination shall be taken up by the participants. The examination is good for 90 minutes. Strictly NO EXTENSION WILL BE GIVEN FOR LATECOMERS.
2. Participants shall bring their own calculator, pen, eraser, pencil and water. Inspection shall be done prior to the start of the examination. Pocket and programmable calculators are strictly prohibited. Use of cell phones or access to the internet during the contest is prohibited and can be a ground for disqualification.
3. Sharing of pen, pencil, eraser, etc. between participants is not allowed.
4. Each question is worth one point.
5. All questions shall be addressed to the proctor only.
6. Scratch papers and periodic table of elements are provided to the participants.
7. Participants may not leave the room before they submit their answer sheets. This includes use of the toilet. Once submitted, answer sheets may not be taken back by the participants.
8. All mechanics are subject to change but participants will be informed of any change/s prior to the contest.