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UPLB CHEMICAL KINETICS SOCIETY

University of the Philippines Los Baños

College, Laguna 4031

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UPLB CHEMICAL KINETICS SOCIETY

**Executive Committee
2016-2017**

**Jaycee A. Yazon
President**

**Hazel G. Naveza
Vice President**

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Education Committee Chair**

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Mr. Ralph Lauren M. Alomia

**Ms. Herra L. Grajo
Junior Faculty Advisers**

**Dr. Mary Ann O. Torio
Senior Faculty Adviser**

13 January 2017

**Diosdado M. San Antonio
Regional Director
Department of Education IV-B MIMAROPA
Karangalan ES, Karangalan Village
Cainta, Rizal**

Dear Sir:

17010123

Greetings!

For 24 years, the **UPLB Chemical Kinetics Society (CHEMOKINESIS)**, a duly recognized academic organization in the University of the Philippines Los Baños, has been promoting academic excellence and unparalleled service through its various activities.

This **February 4, 2017**, in cooperation with the **Kapisanang Kimika ng Pilipinas-Southern Tagalog Chapter (KKP-ST)** and the **UPLB Institute of Chemistry**, the organization is slated to hold its **16th Regional Chemistry Olympiad (RCO)**. With the theme "**Aquatic Chemistry: Bathing knowledge and drenching strategies to safer and smarter water usage.**", the competition will serve as a venue for the selection of top three (3) high school chemistry wizards who will represent **Region IV** in the **Philippine National Chemistry Olympiad**. It will be comprised of a quiz contest and hands-on exam.

Concurrently, the organization will also be holding its **7th Regional Feature-Writing Contest** and **14th Regional Chem-in-Hue**, a poster-making contest. Both competitions aim to showcase the skill and artistry of students in presenting Chemistry through literary writing and arts. All activities will be held at Physical Sciences Building, UPLB, College, Laguna. Attached are the revised mechanics of the event.

These events are in line with the organization's commitment in promoting chemistry by kindling the interest of students in the field. Moreover, these will foster interaction among high school students from all over Region IV.

In this regard, we would like to recommend to your office to encourage the schools in your region to participate in the said events. Your unparalleled support may very well assure our success in fulfilling our goal.

Please feel free to contact us at **09357465413** or at gdmontoya@up.edu.ph.

We are hoping for your favorable response. Thank you and more power!

Respectfully yours,

gdmontoya
Greg Edbert D. Montoya
Education Committee Chairman

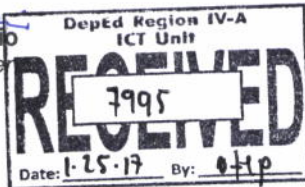
Jaycee A. Yazon
Jaycee A. Yazon
President

Noted by:

Mr. Ralph Lauren M. Alomia
Mr. Ralph Lauren M. Alomia
Junior Faculty Adviser

Ms. Herra L. Grajo
Ms. Herra L. Grajo
Junior Faculty Adviser

Dr. Mary Ann O. Torio
Dr. Mary Ann O. Torio
Senior Faculty Adviser



*To: SDS
For appropriate
action, please -
Thank you!
Jan 24 2017*

GENERAL MECHANICS AND GUIDELINES

1. The 16th Regional Chemistry Olympiad is open to all Department of Education-accredited private and public high schools in Region IV – A (CALABARZON) and IV – B (MIMAROPA). It will be held in various rooms at the **Physical Sciences Building, UPLB, College, Laguna** on **February 4, 2017, 8:00 AM**.
2. Each school shall send a delegation of at most **three (3) members**, all of whom must be **Grade 11 or lower** at the time of the contest and must still be in high school during **SY 2017-2018**. Student who participated last year are not allowed to participate again this year and will immediately be disqualified. The contestants will be graded individually and must be in their respective school uniforms with their school ID on the duration of the contest. A maximum of **two (2) coaches** are allowed to accompany the students.
3. A registration fee of **PHP 200.00** per contestant shall be paid upon registration.
4. For schools that would arrive before the day of the contest, the organizers may arrange accommodations upon the request of the said school. In the confirmations, indicate the details of the lodging reservation to be made, the number of persons (indicate sex) and the durations of the stay.
5. If the school is interested to join, confirm by calling, texting, or sending an email to any of the following contact persons on or before **January 27, 2017**.

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QUIZ CONTEST PROPER

General Mechanics and Guidelines

1. The contest shall cover the following topics:
 - 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
 - Concentration 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)
2. Contestants should bring their own scientific, non-programmable calculator.
3. The score of the contestant shall be determined by the sum of 40% and 60% the final scores of the Practical Examination and Final Round, respectively.
4. In case of ties in the final tally of scores, the tie shall be broken by a series of questions. The winner shall be two correct answers away from his/her opponent/s.
5. The judges' decision is final. After the final scores of the contestants are tallied, the top three scorers shall be awarded 2nd Runner-up, 1st Runner-up, and Champion. They will receive the following prizes:

	Prize
Champion:	PHP 3000 + trophy + medal and certificate
1 st Runner-up:	PHP 2000 + trophy + medal and certificate
2 nd Runner-up:	PHP 1000 + trophy + medal and certificate
6. The Champion, 1st Runner-up and 2nd Runner-up (**top three individual scorers**) shall be the official delegates to represent **Region IV** in the **Philippine National Chemistry Olympiad on April 22, 2017**.
7. All mechanics are subject to change but the participants will be informed promptly of any change(s) prior to the contest.

Qualification Round

1. The qualification round shall consist of a written examination to be taken for **90 minutes**. The participants will be seated in a classroom and will be given a copy of the questionnaire. Proctors will explain the rules as stated in the questionnaire.
2. All contestants shall take the written examination. Those who come in late can still take the exam given that the examination period is not yet finished. They would only be allowed to answer the question within the remaining time. Such, all papers will be given and will be collected at the same time.
3. Participants are not allowed to share any paraphernalia among themselves. If there are questions, they must be addressed to the proctors only.
4. Participants may not leave the room for any reason once the exam has started. This includes the use of toilets. Participants may only leave the room when they have submitted their answer sheets. Once submitted, the answer sheets may not be taken back by the participants.
5. The **top 20 individual scorers** shall qualify for the **Practical Examination and Final Round**.
6. Cheating shall be punished by immediate disqualification.

Practical Examination

1. The **top 20 individual scorers** from the qualification round shall qualify for the Practical Examination.
2. The Practical exam shall cover the **basic Chemistry laboratory techniques, procedures, and set-ups (e.g. titration, distillation, extraction)**.
3. A move system shall be implemented with more or less **twenty (20) stations for 90 seconds each**.
4. **Forty percent (40%)** of the final score on the Practical Examination shall be considered to determine the winners of the Quiz Contest.

Final Round

1. The Final Round shall be open to the **top 20 individual scorers** from the qualification round.
2. This round consists of three categories: **easy, average, and difficult**.
3. The questions shall be projected on the screen while the quizmaster reads them. Time limits will be given before the question is read.
4. The scoring system for each category shall be as follows:

	Correct answer	No answer	Wrong Answer
Easy	+1	0	0
Average	+2	0	-1
Difficult	+3	-1	-2
5. All answers must be written on the provided answer sheets and given to the proctor immediately after the allotted time. The final answer must be encircled or boxed. Failure to do so is an equivalent to submitting no answer at all.
6. **Sixty percent (60%)** of the final score on the Final Round shall be considered to determine the winners of the Quiz Contest.

FEATURE WRITING CONTEST

Mechanics and Guidelines

1. Feature entries shall be done on the spot and must be written in **English**. The specific topic shall be given during the actual regional competition.
2. All features must be written on the official sheets provided by the proctor. Only black or blue ink is allowed
3. Each contestant must write the registry number given to him/her on the upper left-most part of the official sheet. Otherwise, it would be grounds for disqualification.
4. The competition commences as soon as the specific topic is given. Participants will be given **sixty (60) minutes** to finish their work of **500-1000 words**. The participants will be informed fifteen (15) minutes prior to the end of the completion to wrap up their feature articles. All entries will be collected thereafter, whether finished or not.
5. Entries will be judged individually by the members of the board of judges. Winner will be awarded based on the average scores given by each judge. The decision of the board of judges is final and irrevocable. The criteria for judging are as follows:

Content	40%
Writing Mechanics	30%
Originality and Communication	30%
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Total	100%

6. The winners will be announced at the awarding ceremony together with the winners from the Quiz Contest. The winning piece will be published in the official publication of the **UPLB Chemical Kinetics Society, KINESIS**. The winners will also receive the following prizes:

	Prize
1 st Prize:	PHP 1500 + medal and certificate
2 nd Prize:	PHP 1000 + medal and certificate
3 rd Prize:	PHP 500 + medal and certificate

7. All mechanics are subject to change but the participants will be informed promptly of any change(s) prior to the contest.

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CHEM-IN-HUE

Mechanics and Guidelines

1. Chem-in-hue shall be a poster-making contest that will be done on the spot and should be finished within **two (2) hours**. The theme will be announced on the day of the contest. Late contestants can still join but can only work within the remaining time.
2. Posters will be placed on a $\frac{1}{4}$ size illustration board that will be provided by the proctors. Any type of coloring and drawing materials can be used except for **water-based media**. The poster should consist only of drawing. Nothing shall be glued or pasted on the board. Either side of the board can be used. There is no limit on the number of colors that can be applied.
3. Entries will be judged individually by the members of the board of judges. Winner will be awarded based on the average scores given by each judge. The decision of the board of judges is final and irrevocable. The criteria for judging are as follows:

Content	40%
Creativity	20%
Visual Impact	20%
Originality	20%
<hr/>	
Total	100%

4. The winners will be announced at the awarding ceremony together with the winners from the Quiz Contest. The winning piece will be published in the official publication of the **UPLB Chemical Kinetics Society, KINESIS**. The winners will also receive the following prizes:

	Prize
1 st Prize:	PHP 1500 + medal and certificate
2 nd Prize:	PHP 1000 + medal and certificate
3 rd Prize:	PHP 500 + medal and certificate

5. All mechanics are subject to change but the participants will be informed promptly of any change(s) prior to the contest.

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