

## **Report on Mathematics Quiz Event at the Department of Mathematics.**

On 29.9.2023, the Department of Mathematics, Lady Keane College, organized a Mathematics Quiz, designed to foster a spirit of teamwork, intellectual challenge, and mathematical curiosity among students. The quiz event, which was aimed at testing students' problem-solving skills, reasoning, and mathematical knowledge, was preceded by a written test consisting of multiple-choice questions (MCQs). The written test served as a preliminary round to select the top participants, who were then paired into teams of two for the quiz competition.

This report highlights the proceedings of the event, the selection process, and the overall impact of the quiz.

### **Objectives of the Event:**

To promote mathematical thinking and problem-solving abilities among students.

To encourage collaborative learning through team-based competition.

To provide an engaging platform for students to showcase their mathematical skills.

To create a sense of camaraderie and healthy competition within the department.

### **Selection Process:**

#### **1. Written Test (MCQ Round)**

The Mathematics Quiz began with a written test that comprised of a set of multiple-choice questions (MCQs), covering a wide range of topics in mathematics including algebra, geometry, calculus, number theory. The test was designed to assess the participants' depth of knowledge, speed, and accuracy in solving mathematical problems.

The following are the names of 42 students who appeared in the written test:

1) PHIBANIAIBET MARNGAR

- 2) DAPHISHA SNAITANG
- 3) SATISFY NONGKYNRIH
- 4) IAPHILANAM NONGRUM
- 5) PHINSAIAIBET L MAIRANG
- 6) RISAKMENLANG PATHAW
- 7) DELFI DRUSILLA SHABONG
- 8) AMISHA SUTING
- 9) MILKINES DKHAR
- 10) NAPHISABET MARWEIN
- 11) FEALTY NONGRUM
- 12) MEBAAIHUN PATHAW
- 13) EMELYNZA NONGPOH
- 14) SHAPHIIAIBET WANNIANG
- 15) RI-IA-NGA MALNGIANG
- 16) BALARIHUN THABAH
- 17) ERIKA GLORIA IAKAI
- 18) HAPHILANIEWKOR KHARNARI
- 19) HANASHISHA MARBANIANG
- 20) JESSICA SIANGSHAI
- 21) SILVIA THOUDAM
- 22) VENISHA NONGBET
- 23) CAREFULLY MARWEIN
- 24) NISHA OKRAM
- 25) AIWITISHA WARLAITTHMA
- 26) TENGRIME D MARAK
- 27) BLESSIFULL KHARBANI
- 28) DAPHISHISHA THABAH
- 29) EVALARIHUN L PIENLANG
- 30) GENIALLYNE LYNGDOH
- 31) JESSYGRACE NONGSIEJ
- 32) JULIBIA NONGSIEJ
- 33) LALRUATPUII LIANHNA
- 34) LARITY KHARMAWASHUN
- 35) MEDARISHA SUTING
- 36) MERIDIAN WAHLANG
- 37) PHIBILISHA THABAH
- 38) PHIDARI MYLLIEMNGAP
- 39) DAIAHUNLANG SNAITANG
- 40) UMNI TAMUL
- 41) BARITISHA NONGBET

## 42) IBABIANGSHISHA JALA

### 2. Selection of Top 10 Students

After the completion of the written test, the results were analyzed, and the top ten students with the highest scores were selected. These ten students were recognized for their excellent performance in the test and were invited to participate in the quiz competition. The selection ensured that the quiz featured the most capable and promising individuals from the department.

Names of top ten students for the quiz:

- 1) HanashishaMarbaniang
- 2) Tengrime D Marak
- 3) Venisha Nongbet
- 4) NaphisabetMarwein
- 5) PhibaniaibetMarngar
- 6) Phinsaiaibet L Mairang
- 7) LarityKharmawshun
- 8) Shaphiiaibet Wanning
- 9) Jessica Siangshai
- 10) Jessy Grace Nongsiej

### 3. Team Formation:

Following the selection of the top ten students, the participants were randomly paired into 5 teams, by allowing five of them, pick partners from a pool of unknown names given to them. This random pairing ensured fairness and the opportunity for students to collaborate with different peers. The team composition was announced in a transparent manner, and each team was given a team name for easy identification during the quiz.

## Structure of the Quiz:

The quiz event itself was structured in the following format:

### 1. Rounds of the Quiz

The Mathematics Quiz consisted of multiple rounds, with each round focusing on different mathematical topics. The rounds included:

Round 1: General Mathematics – Covering a wide range of basic and advanced topics.

Round 2: Puzzle Round – Involving logical and lateral thinking problems.

Round 3: Speed Round – A timed round where teams had to answer questions as quickly as possible.

Round 4: Problem-Solving Round – Teams worked on complex mathematical problems requiring deep thought and collaboration.

Each round was designed to test different aspects of mathematical knowledge, from theory to practical problem-solving, and from speed to strategic thinking.

### 2. Scoring System

The quiz followed a point-based system, where each correct answer earned the team a set number of points. Points were deducted for incorrect answers to encourage careful consideration before responding. The team with the highest cumulative score at the end of all rounds was declared the winner.

### Highlights of the Event

Engagement of Participants: The quiz was highly interactive, with each team taking turns to answer questions. This format ensured that both team members had the opportunity to contribute and work together in solving the problems.

Healthy Competition: The quiz was marked by friendly yet intense competition. Teams strategized together, debating solutions and supporting each other

through the challenges posed by the questions. The event successfully fostered a sense of teamwork and intellectual camaraderie.

#### Outcome and Results:

At the end of the quiz, the winning team consisting of Venisha Nongbet and Naphisabet were awarded with a cash prize of Rs. 4000. The second prize winner consisting of Hanashisha Marbaniang and Tengrime D. Marak were awarded with a cash prize of R3000. Certificates were also given to the top three teams

The top-performing students from the quiz were acknowledged for their mathematical prowess and were awarded certificates and prizes during a small felicitation ceremony held at the conclusion of the event. The winning team was also offered the opportunity to represent the department in upcoming inter-college math competitions.

#### Observations and Reflections

**Teamwork and Collaboration:** The event highlighted the importance of teamwork in solving complex mathematical problems. It was evident that teams that communicated and worked together more effectively had an advantage in the competition.

**Increased Interest in Mathematics:** The success of the event has sparked increased interest in mathematical competitions within the department. Many students have expressed their desire to participate in future events, and the quiz has set a high standard for similar activities in the coming academic year.

#### Conclusion

The Mathematics Quiz at the Department of Mathematics was an outstanding success. The event not only provided a platform for students to showcase their mathematical knowledge and problem-solving skills but also encouraged teamwork and collaboration among peers. The combination of the written test,

team formation, and the quiz itself created an engaging and intellectually stimulating environment for all involved.

It is hoped that such events will continue to inspire students to pursue excellence in mathematics and foster a greater love for the subject.

### Acknowledgments

The department would like to express its sincere gratitude to all participants for their enthusiasm and effort, as well as the faculty and student coordinators who helped organize and execute the event. Special thanks to the Principal of our College, Dr. D.K.B.Mukhim, the quizmaster, Ms. Manisha Gareri, and volunteers who ensured the smooth conduct of the competition.