

**GUYANA
MINISTRY OF EDUCATION
NATIONAL GRADE NINE EXAMINATION
2012
MATHEMATICS
PROJECT**

INSTRUCTIONS TO STUDENTS

1. This booklet contains **two** projects. Study **each** project carefully, then choose **one**.
2. Attempt **ONE** project only.
3. Discuss the project with your teacher before you begin your work.
4. You may seek help from resource persons when it is necessary. The information received, however, **must** be put in your own words.
5. Write your name and the name of your school on the front cover of your project report.
6. Prepare your project report so that words can be easily read and the message understood.

The Project is worth a maximum of 25 percent of the total marks for the English Language Examination.

Project 1: An Investigation

Your class has been allocated a plot of land on the school farm and your classmates have agreed that the plot of land will be used to rear a batch of **two hundred** (200) meat birds.

1. You are required to carry out an investigation to determine the cost of constructing the pen and rearing the chickens.

You must consider the following:

- Dimension of the plot of land
- A scale drawing of the plot of land
- Area of the plot of land
- Cost of weeding and clearing the plot of land
- Cost of constructing the pen
- Cost of the chickens
- Cost of feed for six (6) weeks
- Cost of medication
- Cost of materials and containers
- Transportation cost for the materials, chickens, medication and feed
- Labour cost

2. Write a report clearly describing each step of your investigation.

Your report **must** include:

- the dimension of the plot of land
- a scale drawing of its area
- the rearing of the chickens and
- a recommendation on the selling price of the meat birds in order to realize an overall profit of 10% after all expenses have been paid.

25 marks

Project 2: Survey

1. Select **twenty** (20) students from your school or any other school in your village/community.
2. Collect data to show how each student's time is spent on Saturdays.

Your activities should include:-

- Going to the market
 - Attending lessons
 - Playing
 - Watching television
 - Leisure time
3. Draw a bar graph to display the information collected.
 4. Write a detailed report describing each step of your work. Your report **must** include:-
 - (i) Your observations on the:
 - Least popular activity
 - Most popular activity
 - (ii) The difficulties encountered
 - (iii) An analysis of the data collected
 - (iv) Your conclusion

25 marks

END OF PROJECT