

<p style="text-align: center;"><b>CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD</b></p>	<p style="text-align: center;">SUBJECT CODE NUMBER</p> <p style="text-align: center;"><b>5073</b></p>	<p style="text-align: center;">PAPER NUMBER</p> <p style="text-align: center;"><b>1</b></p>
<p>General Certificate of Education Examination</p>	<p style="text-align: center;">SUBJECT TITLE AND SYLLABUS</p> <p style="text-align: center;"><b>BUSINESS MATHEMATICS</b></p>	
<p style="text-align: center;"><b>ORDINARY LEVEL</b></p>	<p style="text-align: center;">DATE</p> <p style="text-align: center;"><b>JUNE 2009</b></p>	
<p style="text-align: center;"><b>FOR EXAMINER'S USE ONLY</b></p> <p>Name of Examiner: .....</p> <p>Signature of Examiner: .....</p> <p>Date: .....</p>	<p style="text-align: center;"><b>FOR OFFICE USE ONLY</b></p>	<p style="text-align: center;"><b>FOR EXAMINER'S USE ONLY</b></p>

**Two hours**

Open wide the flap attached to this booklet and enter the information required in the boxes of the flap.

Answer ALL questions, using the spaces provided. The mark allocation is indicated for each question. All necessary working must be shown. No marks will be awarded for answers without brief statements showing how the answers have been obtained except when completing information on a given table.

Electronic calculators are NOT allowed.

Only a blue or a black ball point pen should be used. The use of a pencil is not allowed.

1. A bill of 35,000F cfa is due on 31/07/05. The owner decides to discount it on 25/06/05 at 11% per annum.  
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to check the discounted value given that the present commission is 0.5% per annum. "kawlo" on playstore

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(5 marks)

2. A lady had \$12,000, which was the cost of a piece of land in Cameroon at the exchange rate of \$1 = 550F cfa. A month later, the exchange rate dropped to \$1 = 525F cfa. What extra amount in Fcfa, must she add to acquire the same piece of land?

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(4 marks)

3. If 40,000Fcfa invested for 7 years yields a simple interest of 22,400Fcfa. What will be the simple interest on 24,000Fcfa invested at the same rate for  $10\frac{1}{3}$  years?

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(5 marks)

4. John recorded his scores in a game as follows: 0,1,2,0,7,14,22,6,3,9. Find the probability that he scored.

- (i) more than 4
- (ii) 0
- (iii) less than 7

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(3 marks)

5. The total time taken to travel from Bamenda to Mbouda at 30km/h and from Mbouda to Bafoussam at 60km/h is 2.5hours. Time taken to travel from Bamenda to Mbouda at 15km/h and from Mbouda to Bafoussam at 45km/h is 260 minutes. Find the distances from Bamenda to Mbouda and from Mbouda to Bafoussam.

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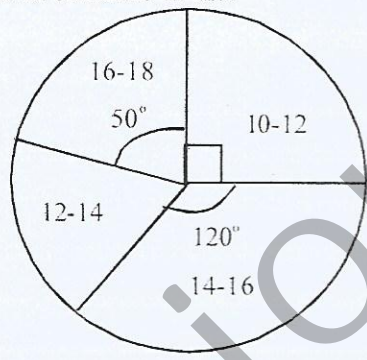
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(6 marks)

6. The following pie chart represents the ages of students in a certain school. Given that there are 25 students in the 16-18 age group, Calculate the number of students in the:



- (i) 10 – 12 age group
- (ii) 14 – 16 age group
- (iii) 12 – 14 age group

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(6 marks)

7. Simplify
- (a)  $1\frac{14}{15} + 3\frac{7}{20} - \frac{7}{20}$   
 $1\frac{2}{5} + \frac{1}{16}$
- (b)  $\frac{0.0625 \times 60}{0.250 \times 0.75}$

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(4 marks)  
Turn Over

8. How many men are required to carry 421.5kg of luggage if one man cannot carry more than 44.5kg?

(3 marks)

9. In school, 102 girls are absent and that represents  $\frac{3}{7}$  of the whole school. How many children are there in the school?

(5 marks)

10. Calculate x and y such that the set of numbers  $\{x, 25, 30\}$  are inversely proportional to the set  $\{3, y, 6\}$

(6 marks)

11. In VITA shop, a machine is listed at 1,420,000Fca. The shop grants two successive discounts of 22% and 8%. Find the net amount paid for the machine.

(6 marks)

12. The average age of 3 boys is 14 years. Another boy aged 18 joins the group. What is the average age of the group now?

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(4 marks)

13. A man worked 46.5 hours in a week, which had a regular 40 hour work week. If his hourly rate is 600frs with overtime paid at time and a half. Find his gross salary.

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(5 marks)

14. A shop keeper bought goods at a certain price. He sold  $\frac{1}{3}$  of the goods at 20% profit on cost price  $\frac{1}{4}$  at 10% profit on cost price and the rest for 2,5750frs at 20% profit on cost price. Calculate his cost price and total selling price.

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(6 marks)

5. A school hall 9m long by 6m wide is to be carpeted such that  $200\text{cm}^2$  of the floor remains uncovered. If the carpet costs 2500frs per  $\text{m}^2$ , calculate the total cost of this project.

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(6 marks)

16. A and B are in the ratio 11:23 and their sum is 170,000frs. What is the value of A and B.

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(5 marks)

17. During a Christmas party 120 kids ate 360 eggs. On new years' day 662 eggs were provided and 200 kids invited. Assume the same consumption rate, how many eggs were left over?

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(5 marks)

18. Three books and two pens cost 2,550frs. Five books and four pens cost 4,300frs. What is the cost of a book and a pen?

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(5 marks)

19. What is the face value of a bill whose present value on 30<sup>th</sup> June 2005 is 64,350frs and is due to mature on 30<sup>th</sup> July 2005 rate 12%.

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(6 marks)

20. A man makes a journey of 180km in 5 hours. He travels 140km by train and the rest by bus. The speed of the bus is  $\frac{2}{3}$  the speed of the train. What is the speed of the train and the bus?

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(6 marks)