

THE PRIME EXAMINATIONS 2024

P.7 MID TERM I **MATHEMATICS**

Time allocated 2 hours 30 minutes



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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- 1. This paper has two sections: A and B. Section A has 20 questions (40 Marks) and Section B has 12 questions. (60 Marks)
- 2. Answer ALL questions. All the working for both sections A and B must be shown in the spaces provided.
- 3. All working must be done using a blue or black ball. point pen or ink. Any work done in pencil other than on graphs and diagrams will not be marked.
- 4. No calculators are allowed in the examination room.
- 5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
- 6. Do not fill anything in the table indicated "FOR EXAMINERS' USE ONLY"

| E FOR EXA | MINERS' US | E ONLY 4 |
|--------------------|-------------------|----------|
| QUESTION NUMBER | MARKS ATTAINED | INITIALS |
| 1-5 | | - |
| 6-10 | | - |
| 11 - 15 | | - |
| 16 - 20 | | 1 |
| 21 - 22 | | |
| 23 - 24 | | |
| 25 - 26 | | |
| 27 - 28 | A rate of the | 1 |
| 29 - 30 | | |
| 31 - 32 | | |
| TOTAL | | |

APPROVED Consultant Mathematics Department (PEC)

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| 1 | Work out 18 x 3. | ion A (40 N | Marks) Write ninety four thousand thirteen |
|--|--|-------------|---|
| Company to be reproduced electronically to | . Out 16 X 3. | 2 | in figures. |
| 3 | Find the next number in the sequence below. 125, 64, 27, 8, | 4 | Given that set P= {9,3,2,6,0}, find the number of subsets that can be got from set P. |
| 5 | Solve: 3 (p-3)= 3 | 6 | Work out: $\frac{12}{13} - \frac{2}{39}$ |
| 7 | Using a pair of compasses, a ruangle of 60° in the space below | uler and a | very sharp pencil only, construct an |
| | | | |
| | | | |

Page | 1

| 8 8 | Work out: 3 ² x 3 ⁰ | 9 | Simplify: -49 |
|---------------------|---|--------|------------------------------------|
| Tonic | | | |
| dele | | | |
| odno | | | |
| E C | | | |
| 02.00 | | | |
| 10 | Convert 5m/s to km/hr. | 11 | Find the area of the figure below. |
| TARNING NG to be 17 | | | p |
| | | | +7m |
| | | | 12m |
| | | | |
| | | | |
| | | | |
| | | | |
| 12 | Subtract 487269 from 528426. | 13 | Convert 0.9kg to grammes. |
| - | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 14 | Round off 6429 to the nearest tens. | 15 | Find the G.C.F of 28 and 63. |
| | | | |
| | | | |
| | | | |
| | | | |
| 1 | | | |
| 16 | How many lines of folding symmetry I | has t | he figure below? |
| | P q | ius (| are rigure below? |
| 1 | + + | | |
| - | h | | |
| | © Prime Educational Consult 2024. TEL: 075 THE PRIME P7 MATHEMATICS FOR ACADEMIC EXCELLENCE. ALWAYS USF THE PRIME | 299955 | 54, 0772058141 Page 2 PTO |

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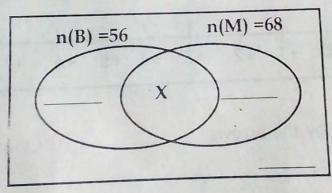
| lectronica | After selling a dress at sh 25000, a trader made a profit of sh 5000. At what price did the trader buy the dress? |
|---------------------------------|--|
| WARNING; Not to be reproduced e | |
| Norte | |
| 18 | Convert 414 _{five} to base ten. 19 Increase sh 6,000 by 18% |
| | |
| | |
| 20 | Work out: (16x18) + (14x18) using distributive property. |
| | |
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| | |
| 9 | |
| | |
| | |
| | Section B (60 Marks) |
| | Section b (00 Warks) |
| | - of A consecutive colinting numbers is 70. I and the |
| 21 | The sum of 4 consecutive counting numbers is 90. Time the first of the |
| 21 | The sum of 4 consecutive counting numbers is 90. Time the first of the number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 90. Time the field of number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 90. Time the field of the number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 90. Time the first of the number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 90. Time the first (05 number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 90. Time the first (05 number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 30. I ind the first number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 90. Find the numbers if the number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 30. I ind the first number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 90. I make the normal manufacture of the number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 90. Time the field of number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 90. Time the field of number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 30. Title the first number is p+2. |
| 21 | The sum of 4 consecutive counting numbers is 90. Title the month of number is p+2. (05) O Prime Educational Consult 2024. TEL: 0752999554, 0772058141 Page 13 |

(b) Simplify: $1\frac{1}{3} - \frac{5}{6} \div \frac{1}{4}$

(02 marks

- In a village of 100 farmers, 56 farmers grow beans (B), 68 farmers grow maize (M) X farmers grow both beans and maize while 12 farmers grow neither bean nor maize.
 - (a) Use the above information to complete the Venn diagram below.

(03 mark



(b) Find the value of X.

(02 11

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| 2kg of meat at sh 20 | | oo per sa | | | | (04 1) |
|---|--------------|------------|-----------|-----------|--------|--------|
| (a) Find Mutesi's tota | al expenditu | ıre. | | | | |
| | | | | | , much | was he |
| (b) If Mutesi had a no balance? | ote of sh 50 |),000 at t | he beginr | ning, hov | w much | (0 |
| | | | | | | |
| | | | | | | that f |
| Study the number li | ine below a | nd use it | to answe | r the qu | b | mari |
| a + + + + + + + + + + + + + + + + + + + | -2 -1 | 0 +1 | +2 | +3 +4 | +5 | +6 |
| 4 | | c | | | | (01 |
| (a) Write the intege | rs represen | ted by th | e arrows | | | |
| (i) a (ii) b | | | | | | |
| (ii) b | | atement | | | | |

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| 26 | (a) Construct to: |
|--------------------------------|---|
| grou | (a) Construct triangle ABC in which angle ABC = 45°, angle BCA = 75° and line (04 marks) |
| MARAINGANA O PERDICANCIA CALLO | (04 marks) |
| 100 | |
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| | (01 mark) |
| | (b) Find the length of AC. |
| | |
| | |
| 27 | William scored the following marks in a series of Mathematics tests. |
| 21 | 60, 70, 50, 80, 60, 90, 80, 70, 60, 50 |
| | |
| | (a) Find William's medium score. |
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(b) Calculate William's average score. (03 marks) Below is a trapezium, use it to answer questions that follow. 8cm 16cm (02 marks) (a) Find the length BC. (03marks (b) Find the area of the figure. Page | 7 © Prime Educational Consult 2024, TEL: 0752999554, 0772058141 THE PRIME P7 MATHEMATICS MID TERM I EXAMINATIONS 2024: FOR ACADEMIC EXCELLENCE, ALWAYS USE THE PRIME; SCHEMING FRAMEWORKS, HOLIDAY PACKAGES, LEARNING LESSON COURSE BOOKS AND PUPILS' WORKBOOKS Are Online Video lessons. Exercises and Trial tests with N

| 29 | Okello started his Journey at 8:00am and completed it at 10:30am. If he covered |
|--------------------|--|
| | a distance of 150km, at what speed was he travelling? (03 marks) |
| | what speed was lie traveiting: |
| | |
| 3 | |
| 3 | |
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| WAIKNING, ROLLO DE | |
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| | |
| VIII. | |
| | the state of the s |
| | (02 marks) |
| | (b) Work out: Weeks Days |
| | 3 4 |
| | +7 6 |
| | |
| | |
| | 10 mins |
| 20 | At a school, three bells namely A,B and C ring at intervals of 30mins, 40mins |
| 30 | At a school, three betts hames, |
| | and 50mins respectively. (a) If they are rung together at the same time, after how long will the three (03 marks) |
| | (a) If they are rung together at the same time, after now together again? |
| | bells ring together again? |
| | |
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| | |
| 130 | |
| | |
| | |
| | (b) How many times will bell C ring before they ring together again? (02 marks) |
| PART | (b) How many times will bell C This solution |
| | (b) He was a second of the sec |
| | par la company de la company d |
| | |
| | to the second se |
| | No. |
| P. Co | NG. |
| A SE | (b) How many times will bell C ring before they ring together again? (02 marks) |
| 1886 | |
| 1 | 2 |
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