THE PRIME EXAMINATIONS 2024
P.5 BEGINNING OF TERM I
MATHEMATICS

Time allocated 2 hours 30 minutes

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Name:......Ir Ocheng Wilson Prince......

Signature:..

School:..

District Name:..

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"

FOR EXAMINERS' USE ONLY		
QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

APPROVED

Consultant
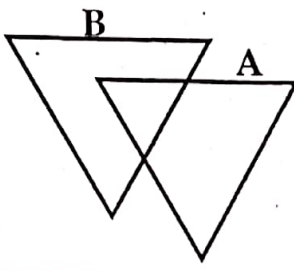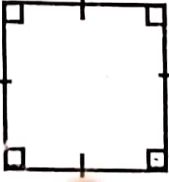Mathematics Department (PEC)

PUBLISHERS OF:-

THE PRIME; SCHEMING FRAME WORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.
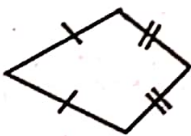
Turn Over

1 Workout:

$$\begin{array}{r} 9\ 5 \\ -\ 2\ 0 \\ \hline \end{array}$$

2 If M = {multiples of 6 less than 50}. List set n(M).

3 Convert $3\frac{2}{3}$ to an improper fraction.

4 Given 🍎 represents 5 apples, how many apples are represented by 🍎 🍎 🍎 🍎 🍎?

5 Convert 3 hours to minutes.

6 In Jacob's wallet there are 4 notes of sh.2000. How much money does Jacob have?

7 Express 2,175 in expanded form using place value.

8 Shade (A-B) on the Venn diagram below.

B

A

9 Complete the sequence below.

33, 22, 13, 6, _____

10 How many lines of symmetry does the figure below have?

11	Find the missing number in the box below. $7 \times \boxed{} = 56$	12	Convert 306cm to metres.
13	Workout: $\frac{8}{13} - \frac{3}{13}$	14	Ronnie is **38 years**. Write Ronnie's age in Roman numerals.
15	Calculate the loss made on an article bought at **sh.64000** and sold at **sh.58000**.	16	List down all the factors of 20.
17	A square paper has sides that measure **14cm** each. Workout it's area.	18	Name the set symbol below. $\emptyset$
19	Write "Fifty seven thousand three hundred nine" in figures.	20	Name the two-dimensional figure below.

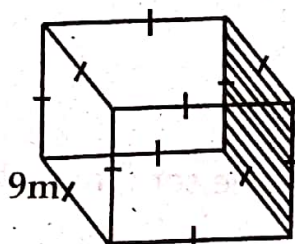**21** Given the numeral 62,739.

(a) Find the value of 6 in the numeral above. *(02 marks)*

(b) Workout the difference between the value of 2 and the place value of 3 in 62739. *(03 marks)*

22 Below is a square prism, use it to answer questions that follow.

9m

(a) Draw the net for the above prism. *(01 mark)*

(b) Find the number of the following. *(01 mark each)*

(i) edges _____ (ii) vertices _____

(iii) faces _____

(c) Calculate the area of the shaded face on the above prism. *(02 marks)*

23. Below is Wiston's shopping list. Use it to answer the questions that follow.

> 2kg of beans at sh. 9,000
> A litre of milk at sh. 4,000
> A pair of shoes at sh. 38,000

(a) How much can one pay for 2 pairs of shoes? (02 marks)

(b) Workout Wiston's total expenditure on beans and milk. (02 marks)

(c) Find the unit cost of a kg of beans. (02 marks)

24 Given that set E = {first 5 odd number} and set F={12, 3, 1, 6, 7, 14}

(a) List all the element of set E. (01 mark)

(b) Represent set E and set F on the Venn diagram below. (03 marks)

E   F
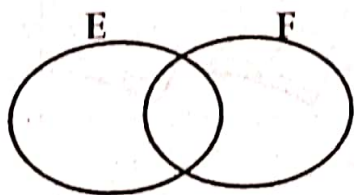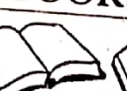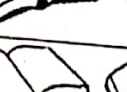
(c) Find n(E - F) (02 marks)

25 Carol is 36 years old while Jude is 28 years old.

(a) Find the sum of their ages. (02 marks)

(b) How old was Jude 13 years ago? (02 marks)

26 In a school of 40 teachers, $\frac{4}{5}$ of them are male teachers and the rest are female teachers.

(a) Find the fraction of female teachers in the school. (02 marks)

(b) How many more male teachers than female teachers are in the school?

(03 marks)

27 The pictograph below shows the number of math books brought by pupils in classes of P.4 –P.7.

CLASS	NUMBER OF BOOKS
P.7	📖 📖 📖 📖 📖 📖
P.6	📖 📖 📖 📖
P.5	📖 📖 📖 📖 📖
P.4	📖 📖 📖

Scale: 📖 represents 6 books.

(a) How many books did P.5 class bring? (02 marks)

(b) How many more books did P.7 class bring than P.4 class? (03 marks)

28 (a) Tell the afternoon time shown on the digit watch below in words. (02 marks)

(b) Add: Weeks   Days   (02 marks)
            9   5
          + 6   4
          _____

29 Using "<", ">" or "=" to compare the following. (02 marks each)
(a) 4 kg _____ 300gm

(b) 24m _____ 7400cm

(c) 5600ml _____ 5.6 litres

(02 marks)
0 (a) Work out: 4267 + 3725

(b) Workout: 625 x 4 *(02 marks)*

(c) Share sh 3600 equally among 6 pupils. *(02 marks)*

31 Fill in the missing number in the spaces below. *(02 marks each)*

(a) $24 \div \boxed{} = 4$

(b) $\boxed{} - 18 = 44$

32 (a) Using a sharp pencil, a ruler and a pair of compasses, draw a circle of radius 3cm. *(02 marks)*

(b) Given that the radius of a circle is 16cm. Find its diameter. *(02 marks)*