



CHRISTIAN SOCIAL SERVICES COMMISSION (CSSC)
CSSC JOINT EXAMINATIONS FOR CHURCH SCHOOLS
EASTERN ZONE
FORM II PRE – NATIONAL EXAMINATION 2024
ADDITIONAL MATHEMATICS

CODE: 042**Time: 2:30 Hours****Date: Friday, 30th August, 2024 p.m**

Instructions

1. This paper consists of **ten (10)** questions.
2. Answer **all** questions.
3. All necessary working and answer for each question must be shown clearly.
4. All answers must be written in the spaces provided.
5. All writings must be in black or blue ink.
6. Mathematical tables may be used.
7. Cellular phones and any unauthorized materials are not allowed in the Examination room.
8. Write your **Examination Number** on the top right hand corner of every page.

FOR EXAMINER'S USE ONLY

QUESTION NUMBER	SCORE	EXAMINER'S INITIALS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
TOTAL		
CHECKER'S INITIALS		

1. (a) Check whether 1440 is divisible by 15.

(b) Determine the first 5 prime numbers of the Fibonacci sequence.

(c) Find the next four numbers of the following sequence 1, 4, 10, 22,,,,,

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

4. (a) A point $p(x, y)$ moves in such a way that its distance from the point $B(3, 4)$ is twice its distance from the line $3x + 4y + 6 = 0$. Find the locus of the point $p(x, y)$.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

(b) A point $p(x, y)$ moves in such a way that its distance from the point $s(3, 4)$ is equal to its distance from the point of intersection between the lines whose equations are $x - 2y = 4$ and $2x + 3y = 15$. Determine the locus of the point $p(x, y)$

Candidate's Examination Number _____

[illegible]

- [illegible]

Candidate's Examination Number _____
