

2022-2023 S4
2nd TERM EXAM
MATH CP
PAPER 1

2022 – 2023
S4 Second Term Examination

MATHEMATICS Compulsory Part

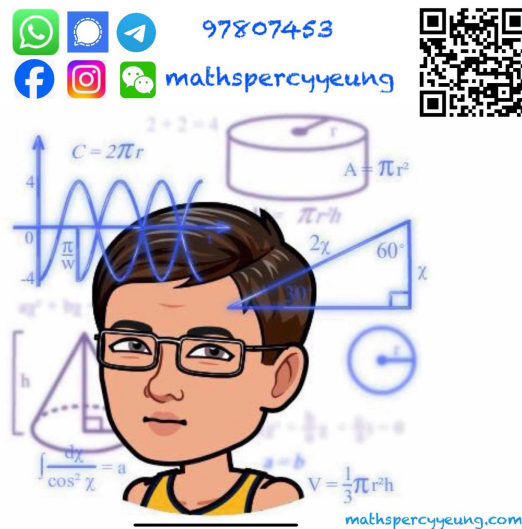
PAPER 1

Question–Answer Book

12th June, 2023
8:15 am – 9:45 am (1 hour 30 minutes)
This paper must be answered in English

INSTRUCTIONS

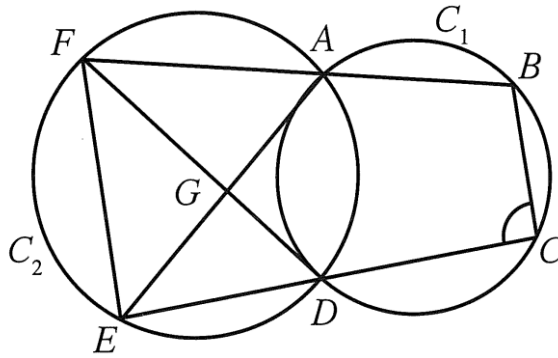
1. Write your name, class and class number in the spaces provided on this cover.
2. This paper consists of THREE sections, A(1), A(2) and B.
3. Attempt ALL questions in this paper. Write your answers in the spaces provided in this Question – Answer Book. Do not write in the margins. Answers written in the margins will not be marked.
4. Unless otherwise specified, all working must be clearly shown.
5. Unless otherwise specified, numerical answers should be either exact or correct to 3 significant figures.
6. The diagrams in this paper are not necessarily drawn to scale.



Sections	Marks
A (1 – 4)	
A (5 – 10)	
A Total	/48
B Total	/22
TOTAL	/70

8. In the figure, circles C_1 and C_2 intersect at A and D . FAB and EDC are straight lines. AE and FD intersect at G such that $\angle AGD = 94^\circ$. If $\angle ABC = 102^\circ$ and $\angle AED = 40^\circ$, find $\angle BCD$.

(4 marks)



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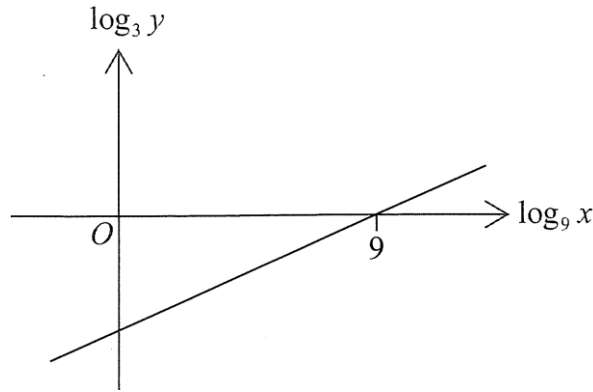
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13. The graph below shows the linear relation between $\log_9 x$ and $\log_3 y$. The slope and the intercept on the horizontal axis of the graph are $\frac{4}{9}$ and 9 respectively. Express y in terms of x .

(3 marks)



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