

20-21 F.5  
2<sup>nd</sup> TERM UT  
MATH CP  
PAPER 1

2020 – 2021  
Form 5 Second Term Examination

## MATHEMATICS Compulsory Part

### PAPER 1

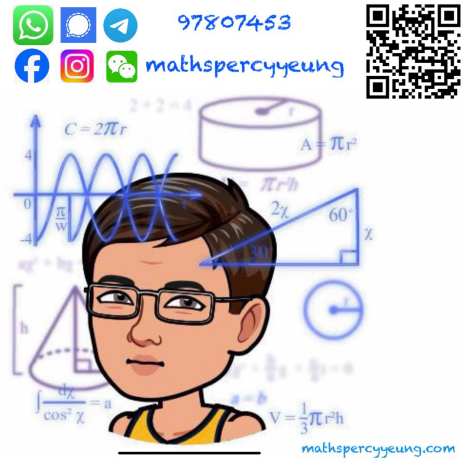
### Question-Answer Book

19<sup>th</sup> April, 2021.  
8:15 am – 9:30 am (1 hour 15 minutes)

**This paper must be answered in English.**

#### INSTRUCTIONS

- Write your name, class and class number in the spaces provided on this cover.
- This paper consists of THREE sections, A(1), A(2) and B.
- 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.
- Unless otherwise specified, all working must be clearly shown.
- Unless otherwise specified, numerical answers should be either exact or correct to 3 significant figures.
- The diagrams in this paper are not necessarily drawn to scale.



Section	Marks
A (1 – 3)	
A (4 – 6)	
<b>A Total</b>	<b>/30</b>
<b>B Total</b>	<b>/30</b>
<b>TOTAL</b>	<b>/60</b>

**Section A(1)** (9 marks)

1. Simplify  $\frac{(a^{-7}b^8)^9}{b^{-6}}$  and express your answer with positive indices. (3 marks)

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2. Make  $y$  the subject of the formula  $x = \frac{3y}{y+1}$ . (3 marks)

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3. Factorize

(a)  $m^2 - 49n^2$ ,

(b)  $m^2 - 49n^2 - 4m - 28n$ .

(3 marks)

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Answers written in the margins will not be marked.

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