FOR OFFICIAL USE

AH

National Qualifications 2025

Mark

X802/77/01

Mathematics of Mechanics
Answer booklet

WEDNESDAY, 7 MAY

1:00 PM – 4:00 PM

X802770 1

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname

Number of seat

Date of birth

Day

Month

Year

Scottish candidate number

Write your answers clearly in the spaces provided in the answer booklet. The size of the space provided for an answer is not an indication of how much to write. You do not need to use all the space.

Additional space for answers is provided at the end of the answer booklet. If you use this space you must clearly identify the question number you are attempting.

Use **blue** or **black** ink.

Before leaving the examination room you must give this booklet to the Invigilator; if you do not, you may lose all the marks for this paper.

SQA ©

X802770101

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
1.		
2.		

*X 8 0 2 7 7 0 1 0 2 *

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
3.		
4.		

X 8 0 2 7 7 0 1 0 3

QUESTION NUMBER

5.

DO NOT WRITE IN THIS MARGIN

X802770104

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
5. (cont)		
6.		

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
7.(a)		
7.(b)		

X 8 0 2 7 7 0 1 0 6

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
8.(a)		
8.(b)		

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
9.		
10.(a)(i)		

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
10.(a) (ii)		
10.(b)		

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
11.(a)		
11.(b)		

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
12.		
13.		

X802770111

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
14.(a)		
14.(b)		

QUESTION NUMBER

15.

DO NOT WRITE IN THIS MARGIN

X 8 0 2 7 7 0 1 1 3

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
16.(a) (i)		
16.(a) (ii)		

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
16.(b) (i)		
16.(b) (ii)		

X802770115

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
17.(a)		
17.(b) (i)		

QUESTION NUMBER

17.(b) (ii)

DO NOT WRITE IN THIS MARGIN

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
18.(a)		
18.(b)		

X 8 0 2 7 7 0 1 1 8

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
18.(c)		
18.(d)		

X802770119

QUESTION NUMBER

19.(a)

DO NOT WRITE IN THIS MARGIN

X 8 0 2 7 7 0 1 2 0

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
19.(a) (cont)		
19.(b)		

X802770121

QUESTION NUMBER

20.(a)

DO NOT WRITE IN THIS MARGIN

X 8 0 2 7 7 0 1 2 2

QUESTION NUMBER		DO NOT WRITE IN THIS MARGIN
20.(b) (i)		
20.(b) (ii)		

ENTER NUMBER OF QUESTION

ADDITIONAL SPACE FOR ANSWERS

DO NOT WRITE IN THIS MARGIN

X 8 0 2 7 7 0 1 2 4

ENTER NUMBER OF QUESTION

ADDITIONAL SPACE FOR ANSWERS

DO NOT WRITE IN THIS MARGIN

X802770125

ENTER NUMBER OF QUESTION

ADDITIONAL SPACE FOR ANSWERS

DO NOT WRITE IN THIS MARGIN

X802770126

ENTER NUMBER OF QUESTION

ADDITIONAL SPACE FOR ANSWERS

DO NOT WRITE IN THIS MARGIN

X802770127

For marker's use	
Question	Marks

X802770128