

LEARNER NAME

NATIONAL SENIOR CERTIFICATE

MATHEMATICS P2

GRADE 11

NOVEMBER 2014

SPECIAL ANSWER BOOK

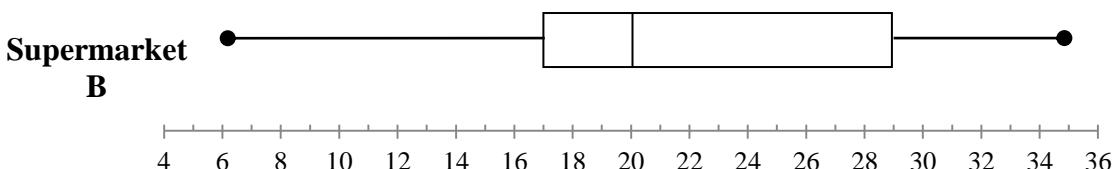
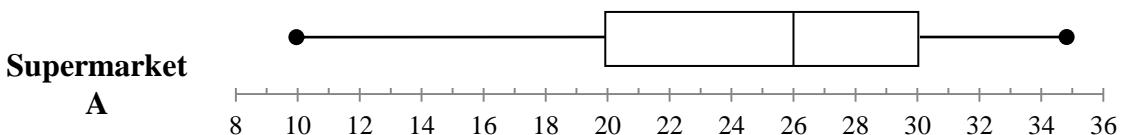
QUESTION	MARK	INITIAL	MOD.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
TOTAL			

This answer book consists of 24 pages.



QUESTION 1

1.1

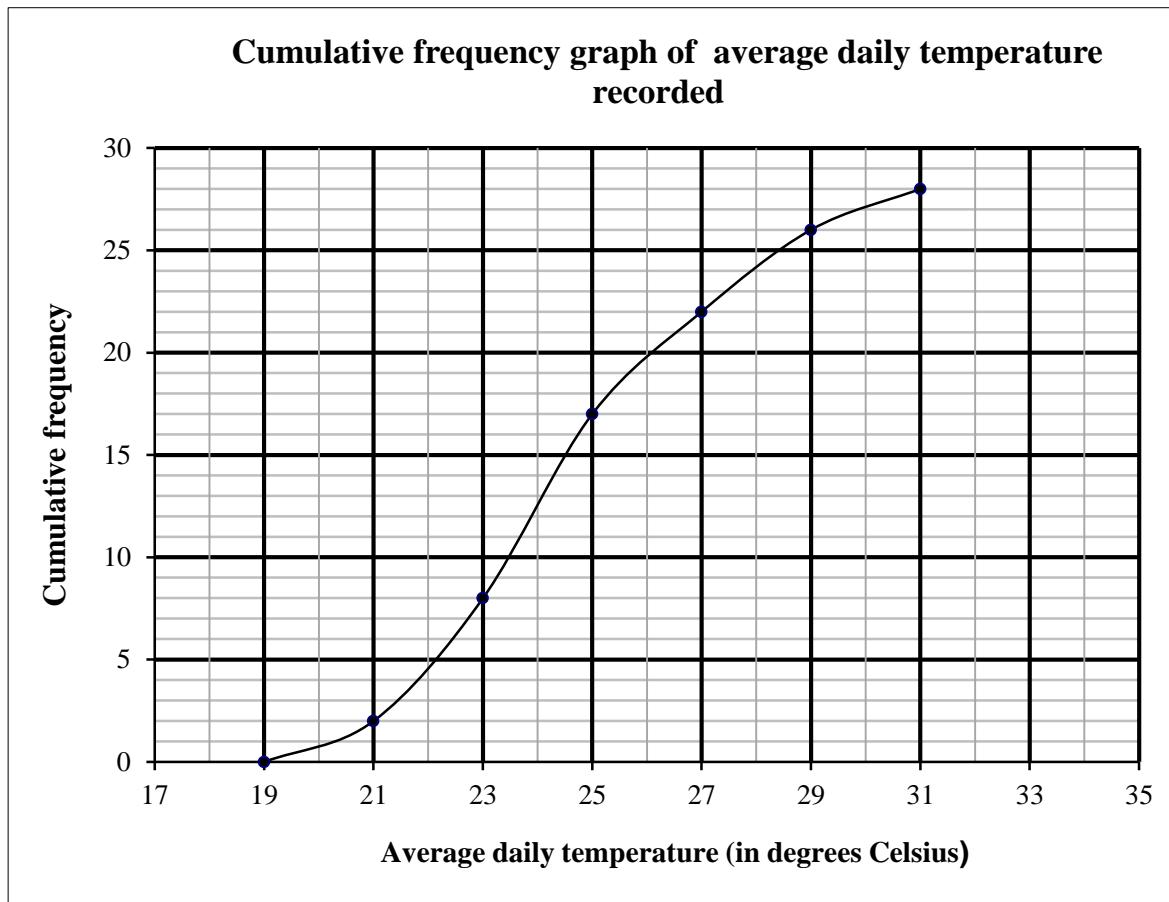


	Solution	Marks
1.1.1		
1.1.2		(1)
1.1.3		(2)
1.1.4		(2)

1.2

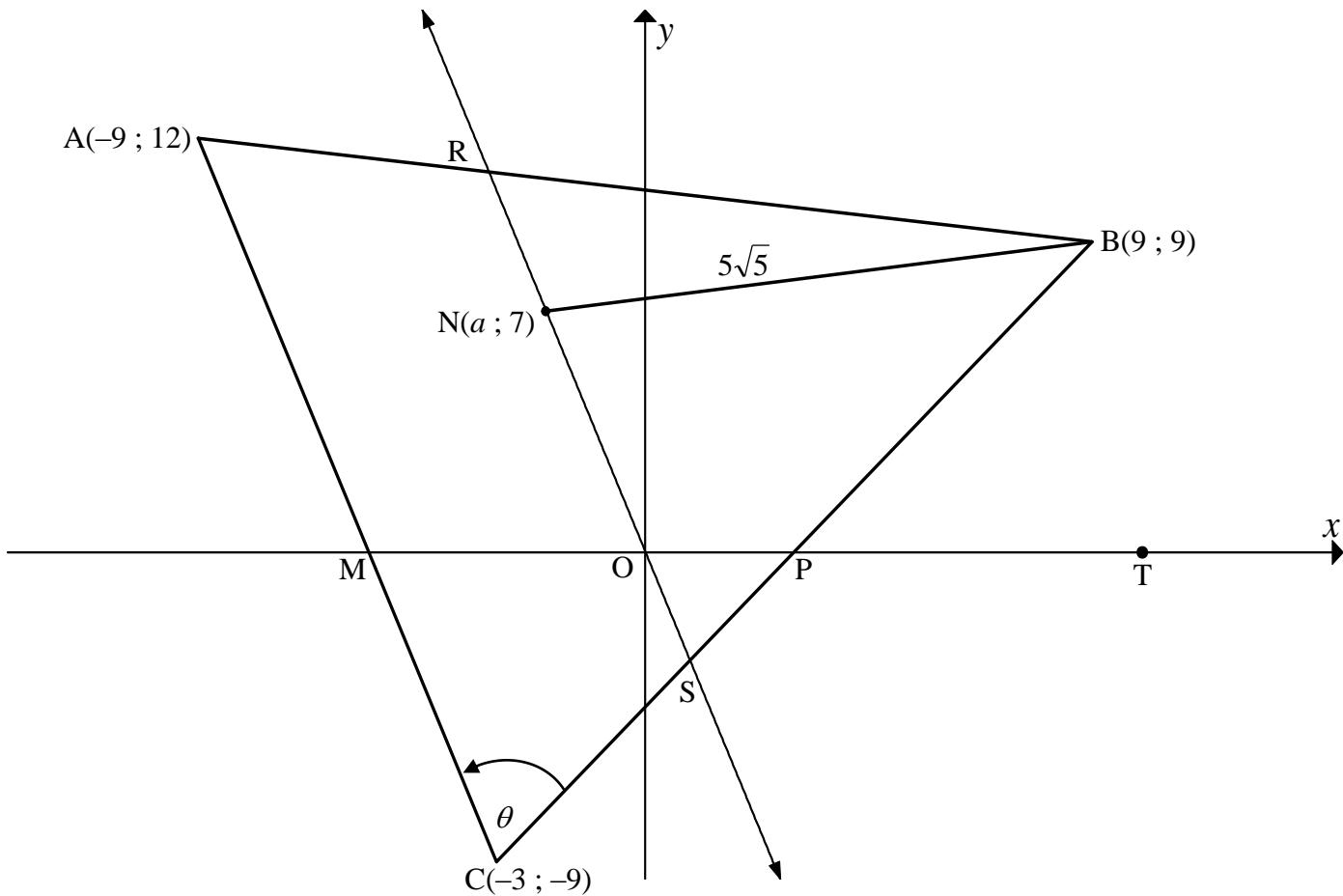
10	15	20	x	30	35	15	31	32	21	x	27	28	29
----	----	----	-----	----	----	----	----	----	----	-----	----	----	----

	Solution	Marks
1.2		
		(3)
		[10]

QUESTION 2

	Solution	Marks														
2.1		(1)														
2.2																
2.3	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Temperature, T, in degrees Celsius</th> <th style="text-align: left; padding: 2px;">Frequency</th> </tr> </thead> <tbody> <tr><td style="padding: 2px;">19 ≤ T < 21</td><td style="padding: 2px;"></td></tr> <tr><td style="padding: 2px;">21 ≤ T < 23</td><td style="padding: 2px;"></td></tr> <tr><td style="padding: 2px;">23 ≤ T < 25</td><td style="padding: 2px;"></td></tr> <tr><td style="padding: 2px;">25 ≤ T < 27</td><td style="padding: 2px;"></td></tr> <tr><td style="padding: 2px;">27 ≤ T < 29</td><td style="padding: 2px;"></td></tr> <tr><td style="padding: 2px;">29 ≤ T < 31</td><td style="padding: 2px;"></td></tr> </tbody> </table>	Temperature, T, in degrees Celsius	Frequency	19 ≤ T < 21		21 ≤ T < 23		23 ≤ T < 25		25 ≤ T < 27		27 ≤ T < 29		29 ≤ T < 31		(3)
Temperature, T, in degrees Celsius	Frequency															
19 ≤ T < 21																
21 ≤ T < 23																
23 ≤ T < 25																
25 ≤ T < 27																
27 ≤ T < 29																
29 ≤ T < 31																

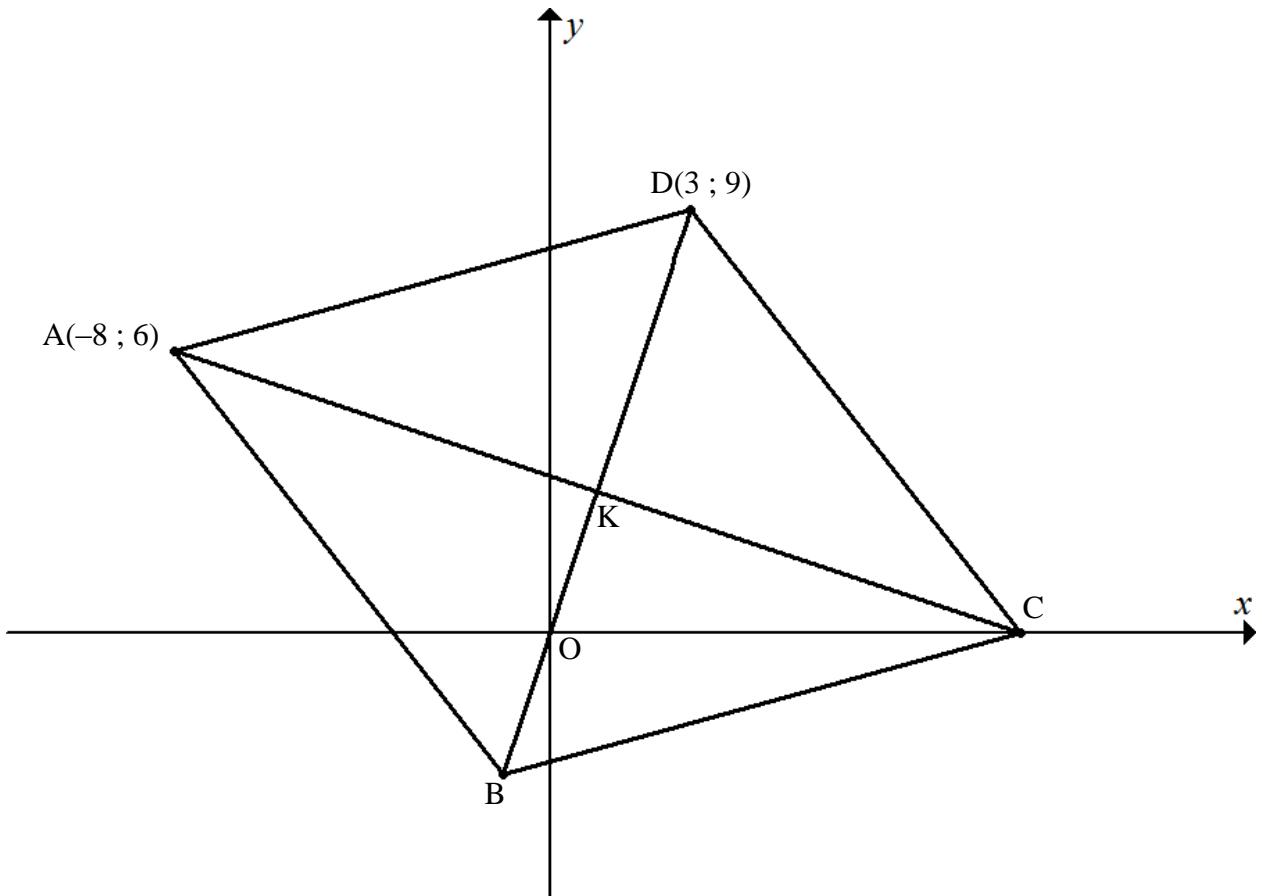
	Solution	Marks
2.4	<p style="text-align: center;">Frequency polygon of temperature recorded</p> <p>Average daily temperature (in degrees Celsius)</p> <p>Frequency</p>	(4)
		[10]

QUESTION 3

	Solution	Marks
3.1		
		(2)
3.2		
		(2)

	Solution	Marks
3.3		(4)
3.4		(5)
		[13]



QUESTION 4

	Solution	Marks
4.1		(3)

	Solution	Marks
4.2		(4)
4.3		(3)



	Solution	Marks
4.4		(2)
4.5		(5)
		[17]

QUESTION 5

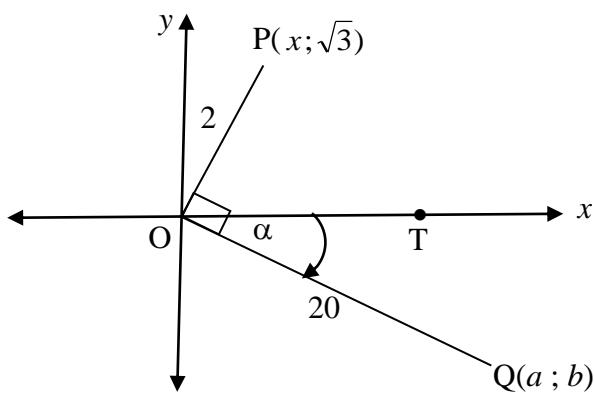
	Solution	Marks
5.1.1		(2)
5.1.2		(3)
5.2		(6)



	Solution	Marks
5.3.1		(5)
5.3.2		(2)
5.4		(5)

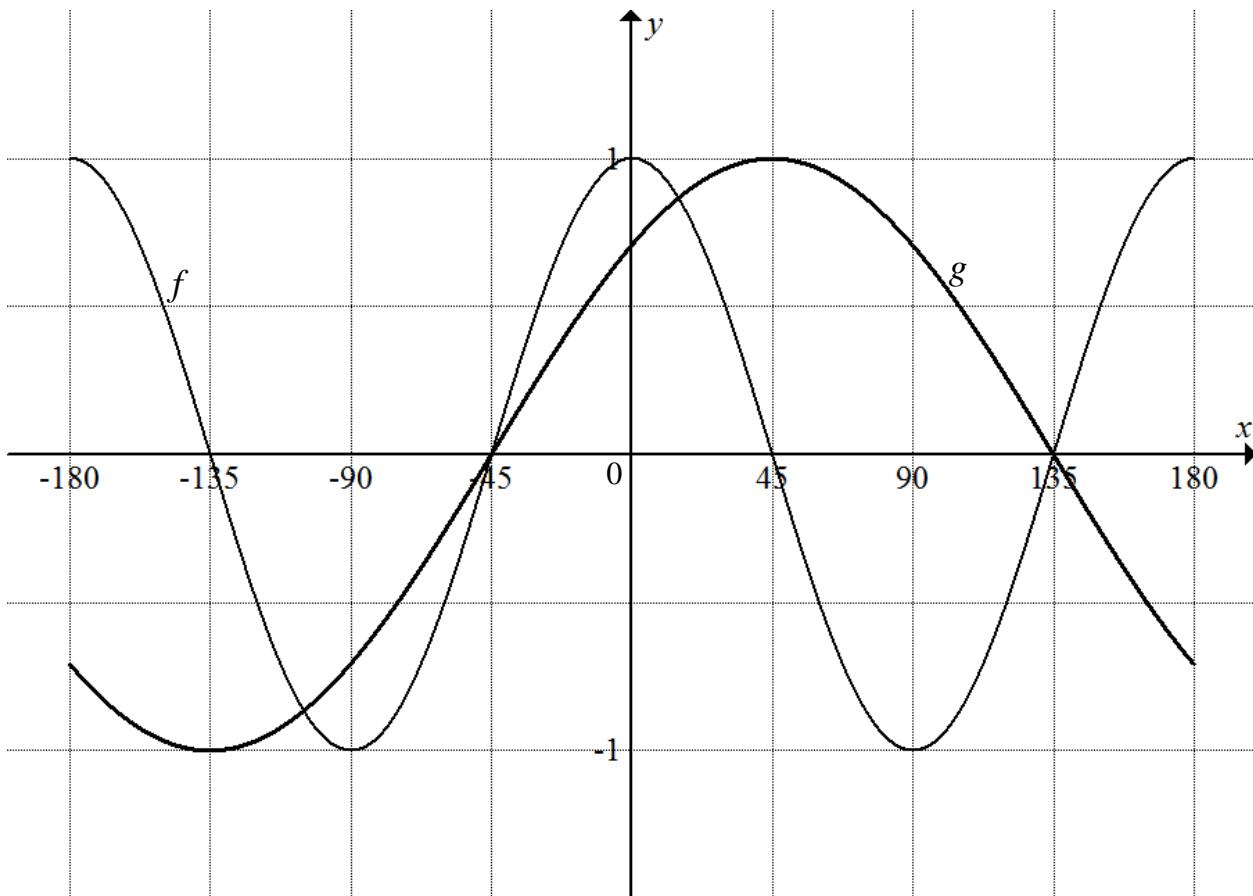


5.5



	Solution	Marks
5.5.1		(2)
5.5.2		(3)

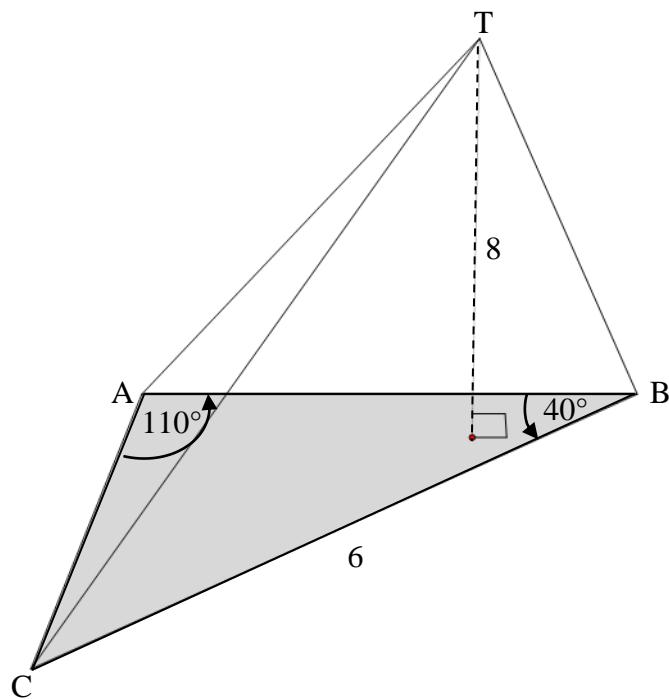
	Solution	Marks
5.5.3		(5)
		[33]

QUESTION 6

	Solution	Marks
6.1		(3)
6.2		(2)
6.3		(2)
6.4		(2)
6.5		(2)
		[11]

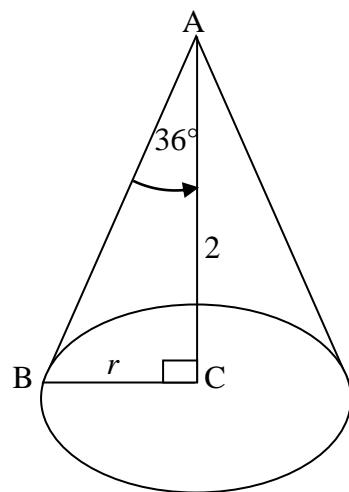
QUESTION 7

7.1



	Solution	Marks
7.1.1		
		(3)
7.1.2		
		(2)
7.1.3		
		(3)

7.2



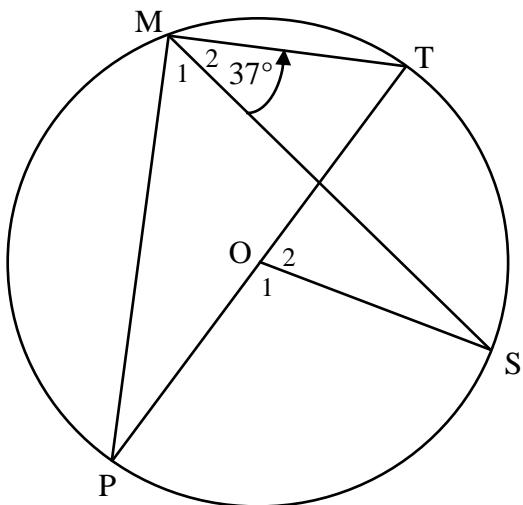
Solution	Marks
	(6)



**GIVE REASONS FOR YOUR STATEMENTS AND CALCULATIONS IN QUESTIONS 8,
9 AND 10.**

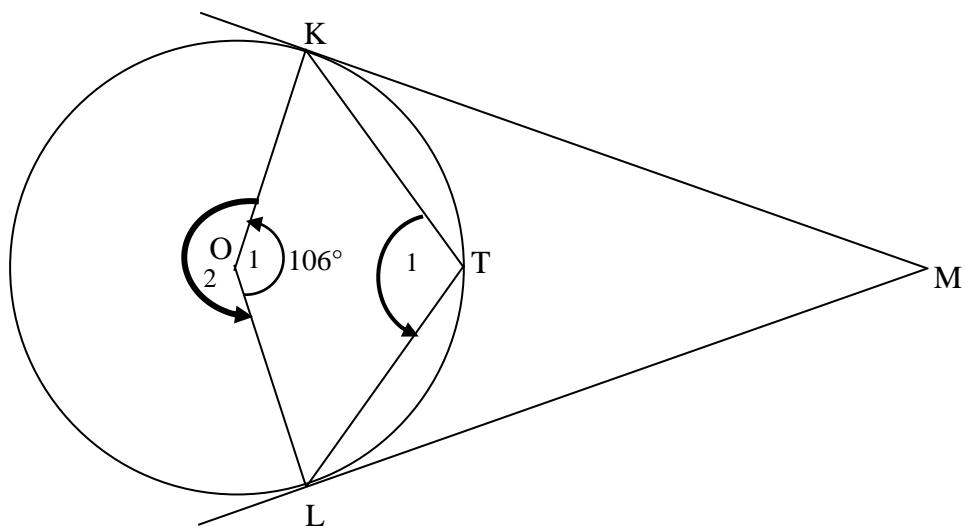
QUESTION 8

8.1

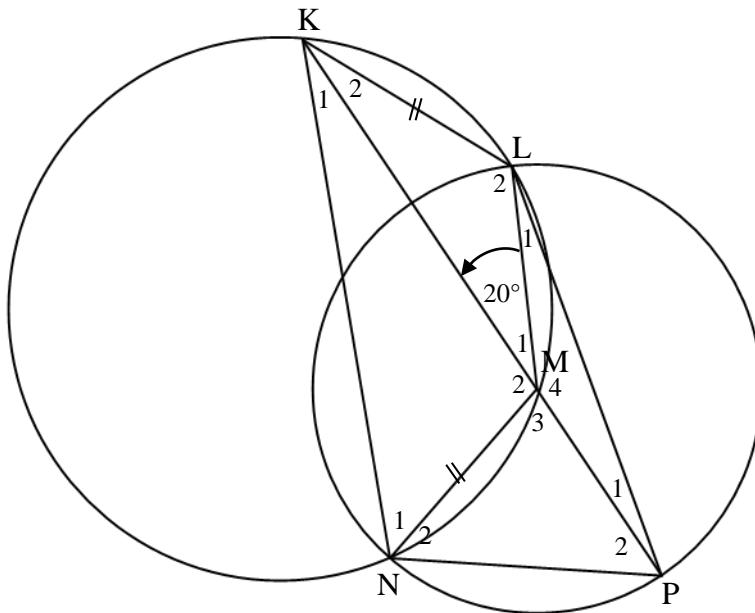


	Solution	Marks
8.1.1		
		(2)
8.1.2		
		(2)

8.2

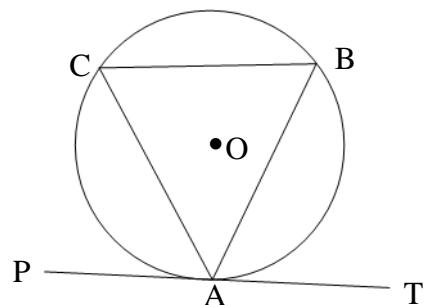


	Solution	Marks
8.2.1		
		(3)
8.2.2		
		(3)
8.2.3		
		(3)
8.2.4		
		(2)
		[15]

QUESTION 9

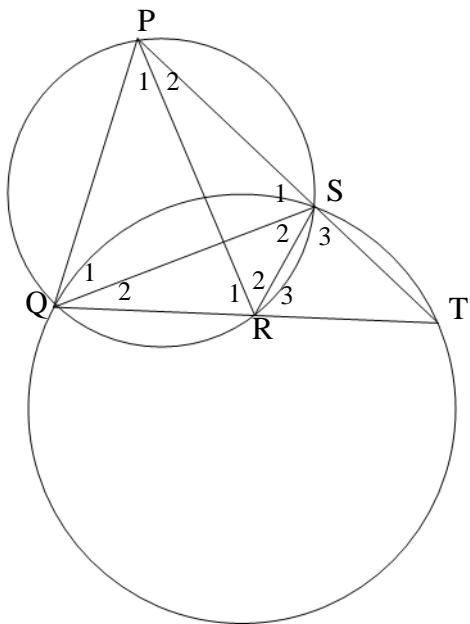
	Solution	Marks
9.1		
		(2)
9.2		
		(1)
9.3		
		(2)

	Solution	Marks
9.4.1		(4)
9.4.2		(3)
		[12]

QUESTION 10

Solution	Marks
10.1	
	(6)

10.2



	Solution	Marks
10.2.1(a)		(1)
10.2.1(b)		(1)
10.2.2		(4)

	Solution	Marks
10.2.3		(3)
		[15]
		TOTAL: 150