



Level 3 Certificate

MATHEMATICAL STUDIES

Paper 1

June 2019

Preliminary Material

To be opened and issued to candidates on
Friday 1 March 2019.

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Income Tax and National Insurance 2018–2019

Income tax 2018–2019

Everyone in the UK has a personal allowance. This is their annual amount of tax-free income. The standard personal allowance for 2018–2019 is £11 850

The rates of income tax you pay depend on how much taxable income you have after deducting your personal allowance and any other allowances.

Income tax rates and taxable bands 2018–2019

If you earn up to £100 000 per year the following table is used to calculate your rate of tax.

Rate	Taxable income after allowances
Basic: 20%	up to £34 500
Higher: 40%	over £34 500

To calculate your income tax if your annual income is £100 000 or less

Find your taxable income by subtracting your personal allowance and any other allowances from your annual gross income.

You pay income tax at 20% on the first £34 500 of your taxable income.

You pay income tax at 40% on your taxable income over £34 500

National Insurance (NI) 2018–2019

Percentage NI due	Minimum monthly income	Maximum monthly income	Minimum yearly income	Maximum yearly income
0%		£702		£8424
12%	£702	£3863	£8424.01	£46 350
2%	above £3863		above £46 350	

Examples

A person who had a monthly income of £1650 paid 12% on the amount above £702

A person who had a yearly income of £52 000 paid 12% on the amount between £8424 and £46 350 plus 2% of the amount above £46 350

Student loans

Student loan repayment

If you have a student loan you make repayments when your gross income is greater than the threshold.

You pay 9% of the amount of your income which is above the threshold.

The threshold depends upon when you started university.

Started university	Threshold
Before 1/9/2012	£17 775
On or after 1/9/2012	£21 000

Turn over ►

Great Britain's motorways

Great Britain has many motorways linking various parts of the country.



Motorways usually have at least three lanes in each direction and some have as many as six lanes in each direction.

The standard width of a lane on a motorway is 3.65 metres.

There is a spare strip of road on the left-hand side in each direction of the motorway.

This is called the hard shoulder and is usually for emergency use only.

The hard shoulder is usually 3.3 metres wide.

There is a constant programme of roadworks to improve, widen, resurface and build motorways in Great Britain.

The cost of maintaining and building motorways is very high.

END OF PRELIMINARY MATERIAL

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