Skill code	Skill
K1	Demonstrating knowledge and understanding of physics by making accurate statements
K2	Describing information, providing explanations, and integrating knowledge
K3	Applying knowledge of physics to new situations, interpreting information, and solving problems
S1	Planning and/or designing experimental investigations to test given hypotheses or to illustrate particular effects
S2	Selecting information from a variety of sources
S3	Presenting information appropriately in a variety of forms
S4	Processing information/data (using calculations and units, where appropriate)
S5	Making predictions based on evidence/information
S6	Drawing conclusions and giving explanations supported by evidence/justification
S7	Suggesting improvements to experimental procedures

2014 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
Section 1					
1		Potential difference (voltage)	K1	1	
2		Practical electrical and electronic circuits	K1	1	
3		Practical electrical and electronic circuits	S6	1	1
4		Energy	K3	1	1
5		Gas laws and the kinetic model	K3	1	1
6		Gas laws and the kinetic model	S2	1	
7		Gas laws and the kinetic model	S4	1	
8		Wave parameters and behaviours	K3	1	
9		Electromagnetic spectrum	K1	1	
10		Nuclear radiation	K1	1	
11		Nuclear radiation	K2	1	
12		Nuclear radiation	K3	1	
13		Nuclear radiation	K1	1	
14		Vectors and scalars	K1	1	
15		Vectors and scalars	K3	1	1
16		Energy	K3	1	
17		Newton's laws	S5	1	1
18		Space exploration	K2	1	
19		Projectile motion	S6	1	1
20		Specific latent heat	S6	1	
Section 2					
1	(a)	Electrical power	K3	3	
	(b)(i)	Practical electrical and electronic circuits	K3	3	
	(b)(ii)	Practical electrical and electronic circuits	K2	2	2
2	(a)(i)	Potential difference (voltage)	S4	1	
			K3	3	
	(a)(ii)	Non specific	S2	1	
	(b)(i)	Practical electrical and electronic circuits	K2	3	2
	(b)(ii)	Practical electrical and electronic circuits	K2	3	3
3	(a)	Electrical power	K3	2	
	(b)(i)	Specific heat capacity	S2	1	
	(b)(ii)	Specific heat capacity	K3	3	
	(c)(i)	Specific heat capacity	S7	1	
	(c)(ii)	Specific heat capacity	S7	1	1
4	(a)	Wave parameters and behaviours	K3	1	1
			K3	3	2
	(b)	Refraction of light	S3	3	1
5	(a)	Non specific	S4	2	1
	(b)	Non specific	S2	2	
	(c)	Electromagnetic spectrum	K1	1	

2014 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
6	(a)	Nuclear radiation	K1	1	
	(b)(i)	Nuclear radiation	S1	3	1
	(b)(ii)	Nuclear radiation	S2	1	
	(b)(iii)	Nuclear radiation	K3	2	
7		Waves	K2	3	2
8	(a)(i)	Nuclear radiation	K3	3	
	(a)(ii)	Nuclear radiation	K3	3	
	(b)	Nuclear radiation	K1	1	
9		Space exploration	K2	3	2
10	(a)(i)	Acceleration	K3	3	
	(a)(ii)	Velocity-time graphs	S2	1	
	(a)(iii)	Newton's laws	S3	2	1
	(b)(i)	Velocity-time graphs	K3	3	
	(b)(ii)	Vectors and scalars	K3	3	
11	(a)	Newton's laws	K2	1	1
	(b)	Newton's laws	S4	1	
	(c)	Vectors and scalars	K3	3	
12	(a)	Newton's laws	K3	3	
	(b)	Gas laws and the kinetic model	S4	1	1
			K3	3	
	(c)	Newton's laws	K2	1	1
	(d)	Newton's laws	S4	1	1
			K3	3	2
	(e)	Newton's laws	K2	2	1

Notes

1. This question paper was set pre-2018, and so
i) the total number of mutiple-choice marks is 20 rather than 25
ii) the total number of extended-response marks is 90 rather than 110
iii) the targets for percentages of marks assigned to each skill area differ from those in post-2017 question papers
iv) the approach to marking changed for some question types following the publication of updated Physics:general marking principles in 2017.
2. The assignment was part of the course assessment in this year, and the target of 30% A-type marks was taken over both assignment and question paper components of the course assessment, rather than the question paper alone.

2015 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
Section 1					
1		Practical electrical and electronic circuits	S1	1	
2		Potential difference (voltage)	K1	1	
3		Practical electrical and electronic circuits	K3	1	
4		Electrical power	K3	1	
5		Gas laws and the kinetic model	K2	1	
6		Gas laws and the kinetic model	K3	1	1
7		Wave parameters and behaviours	S4	1	
8		Electromagnetic spectrum	K1	1	
9		Nuclear radiation	K2	1	
10		Nuclear radiation	K2	1	
11		Nuclear radiation	K3	1	
12		Nuclear radiation	K3	1	
13		Nuclear radiation	K1	1	
14		Vectors and scalars	K2	1	
15		Acceleration	S6	1	1
16		Energy	K3	1	1
17		Newton's laws	K2	1	
18		Newton's laws	K2	1	1
19		Cosmology	S4	1	
20		Cosmology	S6	1	
Section 2					
1	(a)	Practical electrical and electronic circuits	S3	3	1
	(b)	Ohm's law	K3	3	
	(c)	Practical electrical and electronic circuits	K2	3	3
2	(a)	Practical electrical and electronic circuits	S6	2	2
	(b)(i)	Electrical power	K3	4	
	(b)(ii)	Electrical charge carriers	K3	3	
3	(a)(i)	Non specific	S4	1	1
	(a)(ii)	Wave parameters and behaviours	K3	3	
			K3	1	1
	(b)	Wave parameters and behaviours	S5	2	1
	(c)(i)	Wave parameters and behaviours	S4	2	
	(c)(ii)	Wave parameters and behaviours	K3	3	
	(d)	Wave parameters and behaviours	S6	2	2
4		Properties of matter	K2	3	2
5	(a)	Refraction of light	K1	1	
	(b)	Refraction of light	K1	1	
	(c)	Refraction of light	S4	1	1
	(d)	Gas laws and the kinetic model	K3	3	

2015 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
6	(a)	Nuclear radiation	K2	1	
	(b)(i)	Nuclear radiation	K2	3	3
	(b)(ii)	Nuclear radiation	K1	1	
	(b)(iii)	Nuclear radiation	K1	1	
	(c)	Nuclear radiation	S4	1	
7	(a)(i)	Vectors and scalars	S4	2	
	(a)(ii)	Vectors and scalars	S4	2	1
	(a)(iii)	Newton's laws	K3	3	
	(b)	Newton's laws	K2	3	2
8	(a)(i)	Acceleration	S1	3	1
	(a)(ii)	Acceleration	S7	1	1
	(b)	Acceleration	K3	3	
9	(a)	Projectile motion	S3	1	
	(b)(i)	Projectile motion	K3	3	
	(b)(ii)	Projectile motion	K3	1	1
			K3	3	2
	(c)	Projectile motion	K1	1	
10		Space exploration	K2	3	2
11	(a)(i)	Energy	K3	3	
	(a)(ii)	Energy	K2	1	
	(b)(i)	Non specific	S3	3	1
	(b)(ii)	Non specific	S5	1	
	(b)(iii)	Non specific	S7	2	1
	(c)(i)	Non specific	S1	1	
	(c)(ii)	Non specific	S1	2	1

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iv) the approach to marking changed for some question types following the publication of updated Physics:general marking principles in 2017.

2. The assignment was part of the course assessment in this year, and the target of 30% A-type marks was taken over both assignment and question paper components of the course assessment, rather than the question paper alone.

2016 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
Section 1					
1		Practical electrical and electronic circuits	K1	1	
2		Potential difference (voltage)	S6	1	
3		Practical electrical and electronic circuits	S4	1	
4		Practical electrical and electronic circuits	K3	1	
5		Gas laws and the kinetic model	K3	1	1
6		Gas laws and the kinetic model	K3	1	
7		Gas laws and the kinetic model	K2	1	1
8		Wave parameters and behaviours	K1	1	
9		Wave parameters and behaviours	S2	1	
10		Wave parameters and behaviours	S4	1	1
11		Refraction of light	S6	1	1
12		Nuclear radiation	K1	1	
13		Nuclear radiation	K1	1	
14		Vectors and scalars	K1	1	
15		Velocity-time graphs	S6	1	
16		Energy	K3	1	1
17		Newton's laws	K2	1	
18		Projectile motion	K3	1	1
19		Specific latent heat	K3	1	
20		Cosmology	K1	1	
Section 2					
1	(a)	Electrical charge carriers	K3	3	
	(b)	Electrical charge carriers	S4	1	1
	(c)	Electrical charge carriers	K2	2	1
2	(a)	Practical electrical and electronic circuits	S1	1	
	(b)	Ohm's law	S1	1	
	(c)	Ohm's law	S6	1	
			K3	3	
	(d)	Ohm's law	S6	1	1
3	(a)	Specific heat capacity	K3	2	
	(b)(i)	Electrical power	K3	3	
	(b)(ii)	Specific heat capacity	K2	1	1
	(c)	Practical electrical and electronic circuits	K2	3	3
4	(a)	Electromagnetic spectrum	K1	1	
	(b)	Electromagnetic spectrum	K1	1	
	(c)(i)	Electromagnetic spectrum	K3	2	
	(c)(ii)	Electromagnetic spectrum	S6	1	1
5		Waves	K2	3	2
6	(a)(i)	Refraction of light	S3	1	
	(a)(ii)	Refraction of light	S3	1	
	(b)(i)	Refraction of light	S2	1	
	(b)(ii)	Refraction of light	S5	1	
	(c)	Refraction of light	S7	1	

2016 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
7	(a)	Nuclear radiation	K3	3	
	(b)	Electrical power	S4	2	2
	(c)	Nuclear radiation	K2	1	
8	(a)(i)	Nuclear radiation	K3	3	
	(a)(ii)	Nuclear radiation	K3	3	
	(b)	Nuclear radiation	S4	3	
9	(a)(i)	Vectors and scalars	S4	2	
	(a)(ii)	Vectors and scalars	S4	2	1
	(b)(i)	Vectors and scalars	K3	3	1
	(b)(ii)	Vectors and scalars	S6	2	2
10	(a)	Acceleration	K3	3	
	(b)	Velocity-time graphs	K3	3	
	(c)	Newton's laws	S3	3	1
11		Dynamics	K2	3	2
12	(a)	Newton's laws	K3	3	
	(b)(i)	Practical electrical and electronic circuits	K1	1	
	(b)(ii)	Non specific	S6	1	1
	(b)(iii)	Electrical power	S4	3	2
	(c)(i)	Newton's laws	S4	1	
	(c)(ii)	Newton's laws	K3	3	2
			S4	1	1
13	(a)	Nuclear radiation	K1	1	
	(b)	Gas laws and the kinetic model	K3	1	
	(c)	Cosmology	K3	3	
	(d)	Cosmology	K2	1	1

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2017 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
Section 1					
1		Energy	S6	1	
2		Electrical charge carriers	K3	1	
3		Ohm's law	S6	1	
4		Practical electrical and electronic circuits	K2	1	
5		Specific heat capacity	S1	1	
6		Gas laws and the kinetic model	K3	1	1
7		Gas laws and the kinetic model	S4	1	
8		Wave parameters and behaviours	K1	1	
9		Wave parameters and behaviours	K3	1	
10		Wave parameters and behaviours	S4	1	1
11		Electromagnetic spectrum	S6	1	
12		Refraction of light	K1	1	
13		Nuclear radiation	K3	1	1
14		Vectors and scalars	K3	1	1
15		Velocity-time graphs	S2	1	1
16		Acceleration	S5	1	
17		Newton's laws	K2	1	
18		Space exploration	K2	1	
19		Specific latent heat	K3	1	1
20		Cosmology	K1	1	
Section 2					
1	(a)(i)	Practical electrical and electronic circuits	K1	1	
	(a)(ii)	Practical electrical and electronic circuits	K1	1	
	(a)(iii)	Electrical power	S6	1	
			K3	3	
	(b)	Electrical charge carriers	K2	1	1
2	2(a)(i)	Ohm's law	K3	1	1
			K3	3	2
	2(a)(ii)	Electrical power	K3	3	
	2(b)(i)	Practical electrical and electronic circuits	K3	3	
	2(b)(ii)	Electrical power	S6	3	2
3	(a)	Gas laws and the kinetic model	K3	3	
	(b)	Gas laws and the kinetic model	K2	3	2
	(c)	Gas laws and the kinetic model	S3	2	1
4	(a)(i)	Wave parameters and behaviours	K3	3	
	(a)(ii)	Wave parameters and behaviours	S7	1	
	(b)	Wave parameters and behaviours	K3	3	
	(c)	Wave parameters and behaviours	S3	2	1
	(d)	Wave parameters and behaviours	K2	1	1

2017 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
5		Nuclear radiation	K2	3	2
6	(a)	Nuclear radiation	S1	1	
	(b)(i)	Nuclear radiation	S2	1	
	(b)(ii)	Nuclear radiation	S4	2	
	(b)(iii)	Nuclear radiation	S5	1	
	(c)	Nuclear radiation	K3	3	1
7	(a)	Nuclear radiation	K1	1	
	(b)(i)	Nuclear radiation	K2	2	
	(b)(ii)	Electrical power	S4	1	1
			K3	3	2
	(c)	Nuclear radiation	K1	1	
8	(a)	Vectors and scalars	K1	1	
	(b)(i)	Velocity-time graphs	K3	3	
	(b)(ii)	Acceleration	S4	3	2
	(c)	Vectors and scalars	K3	3	
9	(a)	Newton's laws	K2	1	1
	(b)	Newton's laws	K3	3	
	(c)	Newton's laws	S4	1	1
			K3	3	2
10		Dynamics	K2	3	2
11	(a)	Projectile motion	S2	1	
	(b)	Projectile motion	K2	2	1
	(c)	Energy	K3	3	
12	(a)(i)	Electromagnetic spectrum	K1	1	
	(a)(ii)	Cosmology	S4	3	
	(b)(i)	Electromagnetic spectrum	K1	1	
	(b)(ii)	Electromagnetic spectrum	S6	1	

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2018 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
Section 1					
1		Vectors and scalars	K1	1	
2		Vectors and scalars	S4	1	
3		Newton's laws	K2	1	1
4		Energy	K3	1	1
5		Space exploration	K1	1	
6		Space exploration	S6	1	
7		Space exploration	K2	1	
8		Space exploration	S6	1	1
9		Cosmology	S4	1	
10		Cosmology	S6	1	
11		Electrical charge carriers	K1	1	
12		Potential difference (voltage)	S6	1	1
13		Practical electrical and electronic circuits	K2	1	1
14		Practical electrical and electronic circuits	K3	1	
15		Electrical power	K3	1	
16		Specific latent heat	S2	1	
17		Gas laws and the kinetic model	K3	1	1
18		Gas laws and the kinetic model	S4	1	
19		Gas laws and the kinetic model	K3	1	
20		Wave parameters and behaviours	K1	1	
21		Electromagnetic spectrum	K1	1	
22		Non specific	S4	1	
23		Nuclear radiation	K3	1	
24		Nuclear radiation	S4	1	
25		Nuclear radiation	K1	1	
Section 2					
1	(a)(i)(A)	Vectors and scalars	S4	2	
	(a)(i)(B)	Vectors and scalars	S4	2	1
	(a)(ii)	Newton's laws	K3	3	
	(b)	Gas laws and the kinetic model	K2	2	1
2	(a)(i)	Vectors and scalars	S1	1	1
	(a)(ii)	Vectors and scalars	K3	2	
	(a)(iii)	Acceleration	K3	3	2
	(b)	Velocity-time graphs	S4	3	
	(c)	Velocity-time graphs	S3	2	2
3	(a)	Energy	K3	3	
	(b)(i)	Energy	K3	3	
	(b)(ii)	Energy	K2	1	1
	(c)(i)	Projectile motion	S3	1	
	(c)(ii)	Projectile motion	K3	3	
4	(a)(i)	Non specific	S4	1	
	(a)(ii)	Wave parameters and behaviours	K3	3	
	(b)(i)	Space exploration	K2	1	1

2018 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
	(b)(ii)	Space exploration	K1	1	
5		Space exploration	K2	3	2
6	(a)	Ohm's law	K3	3	
	(b)(i)	Practical electrical and electronic circuits	K1	1	
	(b)(ii)	Practical electrical and electronic circuits	K3	1	1
		Ohm's law	K3	3	2
	(c)	Electrical charge carriers	K3	3	
7		Electricity	K2	3	2
8	(a)(i)	Specific heat capacity	K3	3	
	(a)(ii)	Specific heat capacity	K2	1	1
	(b)	Electrical power	K3	3	2
			K3	1	1
	(c)	Specific latent heat	S1	3	2
9	(a)(i)	Gas laws and the kinetic model	S6	3	2
	(a)(ii)	Gas laws and the kinetic model	K2	3	2
	(a)(iii)	Gas laws and the kinetic model	S5	1	
	(b)	Gas laws and the kinetic model	S7	1	1
			K2	1	1
10	(a)	Wave parameters and behaviours	K3	3	
	(b)(i)	Wave parameters and behaviours	K1	1	
	(b)(ii)	Wave parameters and behaviours	S4	1	
	(b)(iii)	Wave parameters and behaviours	K3	3	
11	(a)	Electromagnetic spectrum	K1	1	
	(b)	Wave parameters and behaviours	S4	3	
	(c)(i)(A)	Refraction of light	S3	1	1
	(c)(i)(B)	Refraction of light	S3	1	
	(c)(ii)	Refraction of light	K2	2	2
12	(a)	Nuclear radiation	K1	1	
	(b)	Nuclear radiation	K2	2	1
	(c)(i)	Nuclear radiation	K3	3	
	(c)(ii)	Nuclear radiation	K3	3	
13	(a)(i)	Nuclear radiation	S1	1	1
	(a)(ii)	Nuclear radiation	K1	1	
	(b)(i)	Nuclear radiation	S3	3	1
	(b)(ii)	Nuclear radiation	S2	1	
	(c)(i)	Nuclear radiation	S7	2	1
	(c)(ii)	Nuclear radiation	K3	3	

Note
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2019 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
Section 1					
1		Vectors and scalars	K1	1	
2		Acceleration	K3	1	
3		Acceleration	S4	1	
4		Projectile motion	K3	1	1
5		Cosmology	S6	1	1
6		Space exploration	K1	1	
7		Space exploration	K3	1	1
8		Electrical charge carriers	K3	1	
9		Ohm's law	K3	1	
10		Practical electrical and electronic circuits	S6	1	
11		Practical electrical and electronic circuits	K2	1	1
12		Practical electrical and electronic circuits	S6	1	1
13		Specific latent heat	S2	1	
14		Non specific	S4	1	
15		Gas laws and the kinetic model	K2	1	
16		Gas laws and the kinetic model	K3	1	1
17		Wave parameters and behaviours	S4	1	
18		Wave parameters and behaviours	K3	1	
19		Wave parameters and behaviours	S6	1	
20		Refraction of light	S4	1	
21		Nuclear radiation	S6	1	
22		Nuclear radiation	K3	1	
23		Nuclear radiation	K3	1	1
24		Nuclear radiation	S6	1	
25		Nuclear radiation	S4	1	
Section 2					
1	(a)(i)	Vectors and scalars	S4	2	
	(a)(ii)	Vectors and scalars	S4	2	1
	(b)	Vectors and scalars	K3	3	1
	(c)	Vectors and scalars	K3	2	
			S4	1	1
	(d)	Newton's laws	K2	1	1
2	(a)(i)	Acceleration	K3	2	
	(a)(ii)	Newton's laws	K3	3	
	(a)(iii)(A)	Newton's laws	S4	1	1
	(a)((iii)(B)	Newton's laws	K2	1	
	(b)	Velocity-time graphs	S4	3	
3		Space exploration	K2	3	2
4	(a)	Cosmology	S6	1	
	(b)(i)	Cosmology	K1	1	
	(b)(ii)	Cosmology	S4	3	
	(c)(i)	Space exploration	K2	1	1

2019 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
	(c)(ii)	Space exploration	K1	1	
5	(a)(i)	Electricity	S3	3	1
	(a)(ii)	Practical electrical and electronic circuits	S6	2	
	(a)(iii)	Electricity	S5	1	
	(a)(iv)	Electricity	S7	1	
	(b)	Practical electrical and electronic circuits	K2	2	2
6	(a)(i)	Practical electrical and electronic circuits	K3	3	
			K3	1	
	(a)(ii)	Electrical power	K3	3	
	(b)(i)	Practical electrical and electronic circuits	K3	4	1
	(b)(ii)	Electrical power	S6	2	1
7	(a)	Electrical power	K3	2	
	(b)(i)	Specific heat capacity	K3	3	
	(b)(ii)	Specific latent heat	S4	1	1
			K3	3	2
	(b)(iii)	Specific heat capacity	K2	1	
8	(a)	Newton's laws	S3	2	1
	(b)	Gas laws and the kinetic model	K3	3	
	(c)(i)	Gas laws and the kinetic model	K3	1	1
			K3	3	2
	(c)(ii)	Gas laws and the kinetic model	K2	3	2
9	(a)	Wave parameters and behaviours	K3	3	
	(b)	Wave parameters and behaviours	K2	2	1
	(c)(i)	Energy	K3	3	
	(c)(ii)	Energy	K2	1	1
10	(a)	Electromagnetic spectrum	K1	1	
	(b)	Electromagnetic spectrum	K1	1	
	(c)(i)(A)	Electromagnetic spectrum	K1	1	
	(c)(i)(B)	Electromagnetic spectrum	K1	1	
	(c)(ii)	Electromagnetic spectrum	K1	1	
11	(a)(i)	Refraction of light	S3	2	1
	(a)(ii)	Refraction of light	K1	1	
	(a)(iii)	Refraction of light	S3	1	
	(b)	Refraction of light	K2	2	1
12	(a)	Nuclear radiation	S1	3	2
	(b)	Nuclear radiation	S7	1	1
	(c)(i)	Nuclear radiation	K3	3	
	(c)(ii)	Nuclear radiation	K3	3	
	(d)	Nuclear radiation	K2	2	2
13	OEQ	Radiation	K2	3	2

Note
The assignment was part of the course assessment in this year, and the target of 30% A-type marks was taken over both assignment and question paper components of the course assessment, rather than the question paper alone.

2022 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
Section 1					
1		Vectors and scalars	K1	1	
2		Acceleration	S6	1	
3		Velocity-time graphs	S4	1	
4		Newton's laws	K2	1	1
5		Energy	S4	1	1
6		Projectile motion	K2	1	1
7		Space exploration	K1	1	
8		Space exploration	S6	1	
9		Space exploration	S6	1	
10		Space exploration	K3	1	
11		Electrical charge carriers	K3	1	
12		Ohm's law	S6	1	1
13		Practical electrical and electronic circuits	S4	1	
14		Practical electrical and electronic circuits	K1	1	
15		Specific latent heat	S6	1	1
16		Specific latent heat	K3	1	
17		Gas laws and the kinetic model	K3	1	1
18		Properties of matter	S4	1	
19		Wave parameters and behaviours	K1	1	
20		Wave parameters and behaviours	K3	1	1
21		Electromagnetic spectrum	K1	1	
22		Nuclear radiation	S6	1	
23		Nuclear radiation	K3	1	
24		Nuclear radiation	S6	1	
25		Nuclear radiation	S4	1	
Section 2					
1	(a)(i)	Vectors and scalars	S4	2	
	(a)(ii)	Vectors and scalars	S4	2	1
	(b)(i)	Vectors and scalars	K3	3	
	(b)(ii)	Vectors and scalars	S4	2	1
2	(a)(i)	Dynamics	S3	3	
	(a)(ii)	Dynamics	S2	1	
	(a)(iii)	Dynamics	S7	1	
	(b)(i)	Dynamics	S1	1	
	(b)(ii)	Dynamics	S1	2	2
3	(a)(i)	Space exploration	K3	3	
	(a)(ii)	Space exploration	S3	2	
	(a)(iii)	Space exploration	K3	4	3
	(b)	Space exploration	K2	2	1
4		Space	K2	3	2
5	(a)(i)	Cosmology	K3	3	
	(a)(ii)	Space	S4	1	
	(a)(iii)	Vectors and scalars	K3	3	
	(b)	Cosmology	K2	1	
	(c)(i)	Cosmology	K1	1	

2022 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
	(c)(ii)	Cosmology	K2	1	

2022 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
6	(a)	Electrical power	K2	2	2
	(b)	Ohm's law	K3	3	
	(c)(i)	Practical electrical and electronic circuits	K3	3	
	(c)(ii)	Practical electrical and electronic circuits	S6	2	2
7	(a)	Electrical power	K1	1	
	(b)	Electrical power	K3	3	
	(c)(i)	Practical electrical and electronic circuits	K1	1	
	(c)(iii)	Practical electrical and electronic circuits	K2	2	1
	(c)(iii)	Practical electrical and electronic circuits	K2	1	1
8	(a)	Electrical power	K3	3	
	(b)(i)	Specific heat capacity	K3	4	1
	(b)(ii)	Specific heat capacity	K2	1	
9	(a)	Gas laws and the kinetic model	S4	2	
		Gas laws and the kinetic model	S6	1	1
	(b)	Gas laws and the kinetic model	S5	1	
	(c)	Gas laws and the kinetic model	S7	1	
	(d)	Gas laws and the kinetic model	K2	3	1
10	(a)(i)	Wave parameters and behaviours	S4	1	
	(a)(ii)	Wave parameters and behaviours	K3	2	
	(a)(iii)	Wave parameters and behaviours	K3	3	
	(b)	Wave parameters and behaviours	S3	2	1
11	(a)(i)	Refraction of light	K1	1	
	(a)(ii)	Refraction of light	S3	1	1
	(a)(iii)	Refraction of light	K1	1	
	(b)	Electrical power	K3	3	
12	(a)(i)	Waves	S6	1	
	(a)(ii)	Waves	S5	2	1
	(b)	Non specific	K2	3	2
13	(a)	Nuclear radiation	K2	2	1
	(b)(i)	Nuclear radiation	S6	1	
	(b)(ii)	Nuclear radiation	S6	2	1
	(c)	Nuclear radiation	K3	4	2
14	(a)	Nuclear radiation	K1	1	
	(b)(i)	Electrical power	K3	2	
		Nuclear radiation	S4	2	2
	(b)(ii)	Nuclear radiation	K2	1	1

Note
The assignment was not part of the course assessment in this year.

2023 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
Section 1					
1		Vectors and scalars	K1	1	
2		Vectors and scalars	S1	1	
3		Velocity-time graphs	S4	1	
4		Energy	K3	1	1
5		Energy	K3	1	1
6		Non specific	S4	1	
7		Space exploration	K1	1	
8		Space exploration	S6	1	1
9		Potential difference (voltage)	S6	1	
10		Electrical charge carriers	K1	1	
11		Ohm's Law	K3	1	1
12		Ohm's Law	K3	1	
13		Practical electrical and electronic circuits	S1	1	
14		Electrical power	K3	1	
15		Electrical power	K3	1	
16		Specific heat capacity	S1	1	
17		Specific latent heat	K3	1	
18		Gas laws and the kinetic model	K3	1	
19		Gas laws and the kinetic model	K2	1	
20		Gas laws and the kinetic model	K3	1	1
21		Wave parameters and behaviours	S4	1	
22		Wave parameters and behaviours	S6	1	
23		Refraction of light	S6	1	1
24		Nuclear radiation	K3	1	
25		Nuclear radiation	K1	1	
Section 2					
1	(a)(i)	Vectors and scalars	S4	2	
	(a)(ii)	Vectors and scalars	S4	2	1
	(b)(i)	Vectors and scalars	K3	3	1
	(b)(ii)	Vectors and scalars	K2	2	1
	(c)(i)	Energy	K3	2	
	(c)(ii)	Energy	K3	3	
	(c)(iii)	Energy	K2	1	1
2	(a)	Projectile motion	S3	1	1
	(b)(i)	Projectile motion	K3	3	
	(b)(ii)	Projectile motion	S3	2	1
	(b)(iii)	Projectile motion	S4	3	2
	(c)(ii)	Newton's laws	K3	4	
	(c)(i)	Newton's laws	K2	1	
3	(a)	Space exploration	K2	2	2
	(b)	Space exploration	K3	3	
	(c)	Space exploration	S5	1	

2023 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
4		Space exploration	K2	3	2
5	(a)	Cosmology	K2	1	
	(b)	Cosmology	S6	1	
	(c)	Cosmology	S4	2	
6	(a)	Practical electrical and electronic circuits	K3	1	
		Ohm's Law	K3	3	
	(b)(i)	Practical electrical and electronic circuits	K3	4	
	(b)(ii)	Practical electrical and electronic circuits	K2	2	2
7	(a)(i)	Electricity	S3	3	1
	(a)(ii)	Electricity	S2	1	1
	(b)	Electricity	S7	2	2
8	(a)(i)	Specific heat capacity	K3	3	
	(a)(ii)	Specific heat capacity	K2	1	
	(b)	Specific heat capacity	K2	2	1
9	(a)(i)	Gas laws and the kinetic model	K1	1	
	(a)(ii)	Gas laws and the kinetic model	K3	3	
	(a)(iii)	Gas laws and the kinetic model	K2	1	1
	(b)	Nuclear radiation	K3	3	
10	(a)	Wave parameters and behaviours	K3	4	2
	(b)(i)	Wave parameters and behaviours	K3	2	
	(b)(ii)	Wave parameters and behaviours	K2	1	1
11	(a)	Electromagnetic spectrum	K1	1	
	(b)	Wave parameters and behaviours	K2	2	
	(c)(i)(A)	Wave parameters and behaviours	K3	2	
	(c)(i)(B)	Electromagnetic spectrum	S6	1	
	(c)(ii)(A)	Nuclear radiation	K3	3	
	(c)(ii)(B)	Nuclear radiation	K3	3	
12		Refraction of light	K2	3	2
13	(a)	Nuclear radiation	S6	3	1
	(b)(i)	Nuclear radiation	K1	1	
	(b)(ii)	Nuclear radiation	S6	2	2
	(b)(iii)	Electrical charge carriers	K3	2	
		Electrical charge carriers	S4	2	2
14	(a)(i)	Nuclear radiation	S1	1	
	(a)(ii)	Nuclear radiation	S4	1	1
	(a)(iii)	Nuclear radiation	S4	2	
	(a)(iv)	Nuclear radiation	S4	1	1
	(b)	Nuclear radiation	K1	1	
Note The assignment was not part of the course assessment in this year.					

2024 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
Section 1					
1		Vectors and scalars	K1	1	
2		Vectors and scalars	S1	1	
3		Newton's laws	K2	1	
4		Electrical power	K3	1	1
5		Projectile motion	K1	1	
6		Wave parameters and behaviours	K3	1	1
7		Space exploration	S5	1	
8		Cosmology	K1	1	
9		Potential difference (voltage)	S6	1	1
10		Electrical power	S6	1	1
11		Ohm's Law	K3	1	
12		Practical eletrical and electronic circuits	S6	1	1
13		Practical eletrical and electronic circuits	K3	1	
14		Electrical power	K3	1	
15		Specific heat capacity	S7	1	
16		Specifc latent heat	S1	1	
17		Gas laws and the kinetic model	K3	1	1
18		Non specific	S4	1	
19		Wave parameters and behaviours	K3	1	
20		Electromagnetic spectrum	K1	1	
21		Refraction of light	S4	1	
22		Nuclear radiation	K1	1	
23		Nuclear radiation	K3	1	
24		Nuclear radiation	K3	1	
25		Nuclear radiation	S7	1	1
Section 2					
1	(a)(i)	Velocity-time graphs	S6	1	
	(a)(ii)	Velocity-time graphs	S6	1	
	(b)	Acceleration	K3	3	
	(c)	Velocity-time graphs	S4	3	
2	(a)(i)(A)	Vectors and scalars	S4	2	
	(a)(i)(B)	Vectors and scalars	S4	2	1
	(a)(ii)	Newton's laws	K3	3	1
	(b)	Newton's laws	K2	1	
	(c)(i)	Vectors and scalars	K3	3	
	(c)(ii)	Vectors and scalars	S6	1	
3	(a)(i)	Energy	K3	4	3
	(a)(ii)	Energy	K3	3	
	(b)	Projectile motion	S3	1	
4	(a)	Space exploration	K3	3	
	(b)	Space exploration	K2	1	
	(c)	Space exploration	S6	1	1
			K2	2	2

2024 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
5		Space	K2	3	2
6	(a)	Cosmology	K1	1	
	(b)(i)	Space exploration	K1	1	
	(b)(ii)	Cosmology	S4	3	
	(c)	Cosmology	S6	1	
7	(a)	Electrical charge carriers	K1	1	
	(b)	Electrical charge carriers	K3	3	
	(c)	Practical eletrical and electronic circuits	K2	3	2
	(d)	Practical eletrical and electronic circuits	K3	1	1
		Ohm's Law	K3	3	2
8	(a)(i)	Electricity	S3	3	1
	(a)(ii)	Electricity	S2	1	
	(a)(iii)	Ohm's Law	S1	1	
	(b)	Ohm's Law	S3	1	
9	(a)(i)	Specific heat capacity	K3	3	
	(a)(ii)	Specific latent heat	K3	3	
	(a)(iii)	Specific heat capacity	S4	1	
	(b)(i)	Electrical power	K3	3	
	(b)(ii)	Specific heat capacity	K2	1	
10	(a)(i)	Gas laws and the kinetic model	K3	3	
	(a)(ii)	Gas laws and the kinetic model	K2	3	1
	(b)	Gas laws and the kinetic model	K3	1	
		Newton's laws	K3	3	3
11	(a)	Wave parameters and behaviours	K1	1	
	(b)(i)	Wave parameters and behaviours	K3	3	
	(b)(ii)	Wave parameters and behaviours	S7	1	
	(c)	Non specific	S2	1	1
	(d)	Wave parameters and behaviours	S3	2	1
12	(a)	Wave parameters and behaviours	S1	1	1
	(b)(i)	Refraction of light	K2	1	1
	(b)(ii)	Refraction of light	K1	1	
	(c)	Wave parameters and behaviours	K2	2	2
13		Nuclear radiation	K2	3	2
14	(a)	Nuclear radiation	S4	3	
	(b)(i)	Nuclear radiation	S4	1	
	(b)(ii)	Nuclear radiation	K3	3	
15	(a)	Space exploration	K2	1	1
	(b)	Nuclear radiation	K2	1	
	(c)	Nuclear radiation	K2	2	1
	(d)	Nuclear radiation	K2	1	1

2025 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
Section 1					
1		Vectors and scalars	K1	1	
2		Velocity-time graphs	K3	1	1
3		Acceleration	K3	1	
4		Newton's laws	K2	1	
5		Energy	K3	1	
6		Energy	K3	1	
7		Non specific	S4	1	
8		Space exploration	K3	1	
9		Cosmology	S4	1	
10		Cosmology	S6	1	
11		Electrical charge carriers	S3	1	
12		Potential difference (voltage)	S6	1	1
13		Ohm's Law	K3	1	1
14		Practical electrical and electronic circuits	K3	1	
15		Electrical power	K3	1	
16		Electrical power	S6	1	
17		Specific heat capacity	S7	1	
18		Specific latent heat	S6	1	
19		Gas laws and the kinetic model	K3	1	1
20		Gas laws and the kinetic model	K3	1	1
21		Wave parameters and behaviours	S4	1	
22		Wave parameters and behaviours	S6	1	
23		Nuclear radiation	K3	1	
24		Nuclear radiation	K3	1	
25		Nuclear radiation	K1	1	
Section 2					
1	(a)(i)	Vectors and scalars	S4	2	
	(a)(ii)	Vectors and scalars	S4	2	1
	(b)	Vectors and scalars	K3	3	1
	(c)	Energy	K3	3	
2	(a)(i)	Newton's laws	K3	3	
	(a)(ii)	Newton's laws	K3	4	3
	(b)(i)	Space exploration	S3	2	
	(b)(ii)	Space exploration	K2	2	1
	(b)(iii)	Newton's laws	S6	2	2
3		Dynmaics	K2	3	2
4	(a)	Space exploration	K2	2	1
	(b)(i)	Space exploration	K2	1	1
	(b)(ii)	Space exploration	K2	1	1
	(c)(i)	Space exploration	S4	1	
	(c)(ii)	Space exploration	S6	1	
5	(a)	Potential difference (voltage)	K2	1	
	(b)(i)	Electrical charge carriers	K3	3	
	(b)(ii)	Electrical charge carriers	S4	1	1

2025 National 5 Physics Question Paper					
Question	**Part**	**Course Content**	**Skills assessed**	**Marks**	**A-type Marks**
6	(a)	Ohm's Law	S1	2	
	(b)	Ohm's Law	S4	2	2
	(c)	Ohm's Law	S6	1	1
7	(a)	Practical electrical and electronic circuits	K2	1	
	(b)	Electrical power	K3	3	2
	(c)(i)	Practical eletrical and electronic circuits	K1	1	
	(c)(i)	Practical eletrical and electronic circuits	K2	3	2
8		Electricity	K2	3	2
9	(a)(i)	Specific heat capacity	K3	3	
	(a)(ii)	Electrical power	K3	3	
	(a)(iii)	Specific heat capacity	S7	1	
	(b)	Specific latent heat	K3	3	
10	(a)	Gas laws and the kinetic model	K2	1	
	(b)(i)	Properties of matter	S3	3	
	(b)(ii)	Gas laws and the kinetic model	S6	1	
	(b)(iii)	Gas laws and the kinetic model	S4	2	1
	(c)	Gas laws and the kinetic model	S7	1	
11	(a)	Wave parameters and behaviours	K1	1	
	(b)(i)	Wave parameters and behaviours	K3	2	
	(b)(ii)	Wave parameters and behaviours	K3	3	
	(b)(iii)	Wave parameters and behaviours	K3	3	
12	(a)(i)	Vectors and scalars	K3	2	
	(a)(ii)	Space exploration	K2	2	2
	(b)(i)	Electromagnetic spectrum	K1	1	
	(b)(ii)	Wave parameters and behaviours	K3	3	
	(b)(iii)	Vectors and scalars	K3	3	1
			S4	1	1
13	(a)	Refraction of light	K1	1	
	(b)	Refraction of light	K2	2	1
	(c)	Refraction of light	S3	1	
14	(a)	Nuclear radiation	K2	1	
	(b)(i)	Nuclear radiation	K1	1	
	(b)(ii)	Nuclear radiation	S6	2	2
	(c)(i)	Nuclear radiation	S2	1	
	(c)(ii)	Nuclear radiation	S5	1	
15	(a)(i)	Nuclear radiation	K3	3	
	(a)(ii)	Nuclear radiation	K3	3	
	(b)	Nuclear radiation	K1	1	
	(c)	Nuclear radiation	K2	1	