

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

2014 National 5 Physics Question Paper					
Question	Part	Course Content	Skills assessed	Marks	A-type Marks
Section 1					
<u>1</u>		Potential difference (voltage)	K1	1	
<u>2</u>		Practical electrical and electronic circuits	K1	1	
<u>3</u>		Practical electrical and electronic circuits	S6	1	1
<u>4</u>		Energy	K3	1	1
<u>5</u>		Gas laws and the kinetic model	K3	1	1
<u>6</u>		Gas laws and the kinetic model	S2	1	
<u>7</u>		Gas laws and the kinetic model	S4	1	
<u>8</u>		Wave parameters and behaviours	K3	1	
<u>9</u>		Electromagnetic spectrum	K1	1	
<u>10</u>		Nuclear radiation	K1	1	
<u>11</u>		Nuclear radiation	K2	1	
<u>12</u>		Nuclear radiation	K3	1	
<u>13</u>		Nuclear radiation	K1	1	
<u>14</u>		Vectors and scalars	K1	1	
<u>15</u>		Vectors and scalars	K3	1	1
<u>16</u>		Energy	K3	1	
<u>17</u>		Newton's laws	S5	1	1
<u>18</u>		Space exploration	K2	1	
<u>19</u>		Projectile motion	S6	1	1
<u>20</u>		Specific latent heat	S6	1	
Section 2					
<u>1</u>	(a)	Electrical power	K3	3	
	(b)(i)	Practical electrical and electronic circuits	K3	3	
	(b)(ii)	Practical electrical and electronic circuits	K2	2	2
<u>2</u>	(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
<u>3</u>	(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
<u>4</u>	(a)	Wave parameters and behaviours	K3	1	1
			K3	3	2
	(b)	Refraction of light	S3	3	1
<u>5</u>	(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
<u>6</u>	(a)	Nuclear radiation	K1	1	
	(b)(i)	Nuclear radiation	S1	3	1
	(b)(ii)	Nuclear radiation	S2	1	
	(b)(iii)	Nuclear radiation	K3	2	
<u>7</u>		Waves	K2	3	2
<u>8</u>	(a)(i)	Nuclear radiation	K3	3	
	(a)(ii)	Nuclear radiation	K3	3	
	(b)	Nuclear radiation	K1	1	
<u>9</u>		Space exploration	K2	3	2
<u>10</u>	(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	
<u>11</u>	(a)	Newton's laws	K2	1	1
	(b)	Newton's laws	S4	1	
	(c)	Vectors and scalars	K3	3	
<u>12</u>	(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

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 - the approach to marking changed for some question types following the publication of updated Physics:general marking principles in 2017.
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2015 National 5 Physics Question Paper					
Question	Part	Course Content	Skills assessed	Marks	A-type Marks
Section 1					
<u>1</u>		Practical electrical and electronic circuits	S1	1	
<u>2</u>		Potential difference (voltage)	K1	1	
<u>3</u>		Practical electrical and electronic circuits	K3	1	
<u>4</u>		Electrical power	K3	1	
<u>5</u>		Gas laws and the kinetic model	K2	1	
<u>6</u>		Gas laws and the kinetic model	K3	1	1
<u>7</u>		Wave parameters and behaviours	S4	1	
<u>8</u>		Electromagnetic spectrum	K1	1	
<u>9</u>		Nuclear radiation	K2	1	
<u>10</u>		Nuclear radiation	K2	1	
<u>11</u>		Nuclear radiation	K3	1	
<u>12</u>		Nuclear radiation	K3	1	
<u>13</u>		Nuclear radiation	K1	1	
<u>14</u>		Vectors and scalars	K2	1	
<u>15</u>		Acceleration	S6	1	1
<u>16</u>		Energy	K3	1	1
<u>17</u>		Newton's laws	K2	1	
<u>18</u>		Newton's laws	K2	1	1
<u>19</u>		Cosmology	S4	1	
<u>20</u>		Cosmology	S6	1	
Section 2					
<u>1</u>	(a)	Practical electrical and electronic circuits	S3	3	1
	(b)	Ohm's law	K3	3	
	(c)	Practical electrical and electronic circuits	K2	3	3
<u>2</u>	(a)	Practical electrical and electronic circuits	S6	2	2
	(b)(i)	Electrical power	K3	4	
	(b)(ii)	Electrical charge carriers	K3	3	
<u>3</u>	(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	
<u>4</u>	(d)	Wave parameters and behaviours	S6	2	2
		Properties of matter	K2	3	2
<u>5</u>	(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
<u>6</u>	(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	
<u>7</u>	(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
<u>8</u>	(a)(i)	Acceleration	S1	3	1
	(a)(ii)	Acceleration	S7	1	1
	(b)	Acceleration	K3	3	
<u>9</u>	(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	
<u>10</u>		Space exploration	K2	3	2
<u>11</u>	(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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2016 National 5 Physics Question Paper					
Question	Part	Course Content	Skills assessed	Marks	A-type Marks
Section 1					
<u>1</u>		Practical electrical and electronic circuits	K1	1	
<u>2</u>		Potential difference (voltage)	S6	1	
<u>3</u>		Practical electrical and electronic circuits	S4	1	
<u>4</u>		Practical electrical and electronic circuits	K3	1	
<u>5</u>		Gas laws and the kinetic model	K3	1	1
<u>6</u>		Gas laws and the kinetic model	K3	1	
<u>7</u>		Gas laws and the kinetic model	K2	1	1
<u>8</u>		Wave parameters and behaviours	K1	1	
<u>9</u>		Wave parameters and behaviours	S2	1	
<u>10</u>		Wave parameters and behaviours	S4	1	1
<u>11</u>		Refraction of light	S6	1	1
<u>12</u>		Nuclear radiation	K1	1	
<u>13</u>		Nuclear radiation	K1	1	
<u>14</u>		Vectors and scalars	K1	1	
<u>15</u>		Velocity-time graphs	S6	1	
<u>16</u>		Energy	K3	1	1
<u>17</u>		Newton's laws	K2	1	
<u>18</u>		Projectile motion	K3	1	1
<u>19</u>		Specific latent heat	K3	1	
<u>20</u>		Cosmology	K1	1	
Section 2					
<u>1</u>	(a)	Electrical charge carriers	K3	3	
	(b)	Electrical charge carriers	S4	1	1
	(c)	Electrical charge carriers	K2	2	1
<u>2</u>	(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
<u>3</u>	(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
<u>4</u>	(a)	Electromagnetic spectrum	K1	1	
	(b)	Electromagnetic spectrum	K1	1	
	(c)(i)	Electromagnetic spectrum	K3	2	
	(c)(ii)	Electromagnetic spectrum	S6	1	1
<u>5</u>		Waves	K2	3	2
<u>6</u>	(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
<u>7</u>	(a)	Nuclear radiation	K3	3	
	(b)	Electrical power	S4	2	2
	(c)	Nuclear radiation	K2	1	
<u>8</u>	(a)(i)	Nuclear radiation	K3	3	
	(a)(ii)	Nuclear radiation	K3	3	
	(b)	Nuclear radiation	S4	3	
<u>9</u>	(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
<u>10</u>	(a)	Acceleration	K3	3	
	(b)	Velocity-time graphs	K3	3	
	(c)	Newton's laws	S3	3	1
<u>11</u>		Dynamics	K2	3	2
<u>12</u>	(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
<u>13</u>	(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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Section 1					
<u>1</u>		Energy	S6	1	
<u>2</u>		Electrical charge carriers	K3	1	
<u>3</u>		Ohm's law	S6	1	
<u>4</u>		Practical electrical and electronic circuits	K2	1	
<u>5</u>		Specific heat capacity	S1	1	
<u>6</u>		Gas laws and the kinetic model	K3	1	1
<u>7</u>		Gas laws and the kinetic model	S4	1	
<u>8</u>		Wave parameters and behaviours	K1	1	
<u>9</u>		Wave parameters and behaviours	K3	1	
<u>10</u>		Wave parameters and behaviours	S4	1	1
<u>11</u>		Electromagnetic spectrum	S6	1	
<u>12</u>		Refraction of light	K1	1	
<u>13</u>		Nuclear radiation	K3	1	1
<u>14</u>		Vectors and scalars	K3	1	1
<u>15</u>		Velocity-time graphs	S2	1	1
<u>16</u>		Acceleration	S5	1	
<u>17</u>		Newton's laws	K2	1	
<u>18</u>		Space exploration	K2	1	
<u>19</u>		Specific latent heat	K3	1	1
<u>20</u>		Cosmology	K1	1	
Section 2					
<u>1</u>	(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
<u>2</u>	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
<u>3</u>	(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
<u>4</u>	(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
<u>5</u>		Nuclear radiation	K2	3	2
<u>6</u>	(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
<u>7</u>	(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	
<u>8</u>	(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	
<u>9</u>	(a)	Newton's laws	K2	1	1
	(b)	Newton's laws	K3	3	
	(c)	Newton's laws	S4	1	1
			K3	3	2
<u>10</u>		Dynamics	K2	3	2
<u>11</u>	(a)	Projectile motion	S2	1	
	(b)	Projectile motion	K2	2	1
	(c)	Energy	K3	3	
<u>12</u>	(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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Section 1					
<u>1</u>		Vectors and scalars	K1	1	
<u>2</u>		Vectors and scalars	S4	1	
<u>3</u>		Newton's laws	K2	1	1
<u>4</u>		Energy	K3	1	1
<u>5</u>		Space exploration	K1	1	
<u>6</u>		Space exploration	S6	1	
<u>7</u>		Space exploration	K2	1	
<u>8</u>		Space exploration	S6	1	1
<u>9</u>		Cosmology	S4	1	
<u>10</u>		Cosmology	S6	1	
<u>11</u>		Electrical charge carriers	K1	1	
<u>12</u>		Potential difference (voltage)	S6	1	1
<u>13</u>		Practical electrical and electronic circuits	K2	1	1
<u>14</u>		Practical electrical and electronic circuits	K3	1	
<u>15</u>		Electrical power	K3	1	
<u>16</u>		Specific latent heat	S2	1	
<u>17</u>		Gas laws and the kinetic model	K3	1	1
<u>18</u>		Gas laws and the kinetic model	S4	1	
<u>19</u>		Gas laws and the kinetic model	K3	1	
<u>20</u>		Wave parameters and behaviours	K1	1	
<u>21</u>		Electromagnetic spectrum	K1	1	
<u>22</u>		Non specific	S4	1	
<u>23</u>		Nuclear radiation	K3	1	
<u>24</u>		Nuclear radiation	S4	1	
<u>25</u>		Nuclear radiation	K1	1	
Section 2					
<u>1</u>	(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
<u>2</u>	(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
<u>3</u>	(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	
<u>4</u>	(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	
<u>5</u>		Space exploration	K2	3	2
<u>6</u>	(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	
<u>7</u>		Electricity	K2	3	2
<u>8</u>	(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
<u>9</u>	(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
<u>10</u>	(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	
<u>11</u>	(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
<u>12</u>	(a)	Nuclear radiation	K1	1	
	(b)	Nuclear radiation	K2	2	1
	(c)(i)	Nuclear radiation	K3	3	
	(c)(ii)	Nuclear radiation	K3	3	
<u>13</u>	(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	
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Section 1					
<u>1</u>		Vectors and scalars	K1	1	
<u>2</u>		Acceleration	K3	1	
<u>3</u>		Acceleration	S4	1	
<u>4</u>		Projectile motion	K3	1	1
<u>5</u>		Cosmology	S6	1	1
<u>6</u>		Space exploration	K1	1	
<u>7</u>		Space exploration	K3	1	1
<u>8</u>		Electrical charge carriers	K3	1	
<u>9</u>		Ohm's law	K3	1	
<u>10</u>		Practical electrical and electronic circuits	S6	1	
<u>11</u>		Practical electrical and electronic circuits	K2	1	1
<u>12</u>		Practical electrical and electronic circuits	S6	1	1
<u>13</u>		Specific latent heat	S2	1	
<u>14</u>		Non specific	S4	1	
<u>15</u>		Gas laws and the kinetic model	K2	1	
<u>16</u>		Gas laws and the kinetic model	K3	1	1
<u>17</u>		Wave parameters and behaviours	S4	1	
<u>18</u>		Wave parameters and behaviours	K3	1	
<u>19</u>		Wave parameters and behaviours	S6	1	
<u>20</u>		Refraction of light	S4	1	
<u>21</u>		Nuclear radiation	S6	1	
<u>22</u>		Nuclear radiation	K3	1	
<u>23</u>		Nuclear radiation	K3	1	1
<u>24</u>		Nuclear radiation	S6	1	
<u>25</u>		Nuclear radiation	S4	1	
Section 2					
<u>1</u>	(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
<u>2</u>	(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	
<u>3</u>		Space exploration	K2	3	2
<u>4</u>	(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	
<u>5</u>	(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
<u>6</u>	(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
<u>7</u>	(a)	Electrical power	K3	2	
	(b)(i)	Specific heat capacity	K3	3	
			S4	1	1
	(b)(ii)	Specific latent heat	K3	3	2
			K2	1	
<u>8</u>	(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
<u>9</u>	(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
<u>10</u>	(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	
<u>11</u>	(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
<u>12</u>	(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
<u>13</u>	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					
<u>1</u>		Vectors and scalars	K1	1	
<u>2</u>		Acceleration	S6	1	
<u>3</u>		Velocity-time graphs	S4	1	
<u>4</u>		Newton's laws	K2	1	1
<u>5</u>		Energy	S4	1	1
<u>6</u>		Projectile motion	K2	1	1
<u>7</u>		Space exploration	K1	1	
<u>8</u>		Space exploration	S6	1	
<u>9</u>		Space exploration	S6	1	
<u>10</u>		Space exploration	K3	1	
<u>11</u>		Electrical charge carriers	K3	1	
<u>12</u>		Ohm's law	S6	1	1
<u>13</u>		Practical electrical and electronic circuits	S4	1	
<u>14</u>		Practical electrical and electronic circuits	K1	1	
<u>15</u>		Specific latent heat	S6	1	1
<u>16</u>		Specific latent heat	K3	1	
<u>17</u>		Gas laws and the kinetic model	K3	1	1
<u>18</u>		Properties of matter	S4	1	
<u>19</u>		Wave parameters and behaviours	K1	1	
<u>20</u>		Wave parameters and behaviours	K3	1	1
<u>21</u>		Electromagnetic spectrum	K1	1	
<u>22</u>		Nuclear radiation	S6	1	
<u>23</u>		Nuclear radiation	K3	1	
<u>24</u>		Nuclear radiation	S6	1	
<u>25</u>		Nuclear radiation	S4	1	
Section 2					
<u>1</u>	(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
<u>2</u>	(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
<u>3</u>	(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
<u>4</u>		Space	K2	3	2
<u>5</u>	(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	
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
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					
<u>1</u>		Vectors and scalars	K1	1	
<u>2</u>		Vectors and scalars	S1	1	
<u>3</u>		Velocity-time graphs	S4	1	
<u>4</u>		Energy	K3	1	1
<u>5</u>		Energy	K3	1	1
<u>6</u>		Non specific	S4	1	
<u>7</u>		Space exploration	K1	1	
<u>8</u>		Space exploration	S6	1	1
<u>9</u>		Potential difference (voltage)	S6	1	
<u>10</u>		Electrical charge carriers	K1	1	
<u>11</u>		Ohm's Law	K3	1	1
<u>12</u>		Ohm's Law	K3	1	
<u>13</u>		Practical electrical and electronic circuits	S1	1	
<u>14</u>		Electrical power	K3	1	
<u>15</u>		Electrical power	K3	1	
<u>16</u>		Specific heat capacity	S1	1	
<u>17</u>		Specific latent heat	K3	1	
<u>18</u>		Gas laws and the kinetic model	K3	1	
<u>19</u>		Gas laws and the kinetic model	K2	1	
<u>20</u>		Gas laws and the kinetic model	K3	1	1
<u>21</u>		Wave parameters and behaviours	S4	1	
<u>22</u>		Wave parameters and behaviours	S6	1	
<u>23</u>		Refraction of light	S6	1	1
<u>24</u>		Nuclear radiation	K3	1	
<u>25</u>		Nuclear radiation	K1	1	
Section 2					
<u>1</u>	(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
<u>2</u>	(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	
<u>3</u>	(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
<u>4</u>		Space exploration	K2	3	2
<u>5</u>	(a)	Cosmology	K2	1	
	(b)	Cosmology	S6	1	
	(c)	Cosmology	S4	2	
<u>6</u>	(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
<u>7</u>	(a)(i)	Electricity	S3	3	1
	(a)(ii)	Electricity	S2	1	1
	(b)	Electricity	S7	2	2
<u>8</u>	(a)(i)	Specific heat capacity	K3	3	
	(a)(ii)	Specific heat capacity	K2	1	
	(b)	Specific heat capacity	K2	2	1
<u>9</u>	(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	
<u>10</u>	(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
<u>11</u>	(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	
<u>12</u>		Refraction of light	K2	3	2
<u>13</u>	(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
<u>14</u>	(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					
<u>1</u>		Vectors and scalars	K1	1	
<u>2</u>		Vectors and scalars	S1	1	
<u>3</u>		Newton's laws	K2	1	
<u>4</u>		Electrical power	K3	1	1
<u>5</u>		Projectile motion	K1	1	
<u>6</u>		Wave parameters and behaviours	K3	1	1
<u>7</u>		Space exploration	S5	1	
<u>8</u>		Cosmology	K1	1	
<u>9</u>		Potential difference (voltage)	S6	1	1
<u>10</u>		Electrical power	S6	1	1
<u>11</u>		Ohm's Law	K3	1	
<u>12</u>		Practical electrical and electronic circuits	S6	1	1
<u>13</u>		Practical electrical and electronic circuits	K3	1	
<u>14</u>		Electrical power	K3	1	
<u>15</u>		Specific heat capacity	S7	1	
<u>16</u>		Specific latent heat	S1	1	
<u>17</u>		Gas laws and the kinetic model	K3	1	1
<u>18</u>		Non specific	S4	1	
<u>19</u>		Wave parameters and behaviours	K3	1	
<u>20</u>		Electromagnetic spectrum	K1	1	
<u>21</u>		Refraction of light	S4	1	
<u>22</u>		Nuclear radiation	K1	1	
<u>23</u>		Nuclear radiation	K3	1	
<u>24</u>		Nuclear radiation	K3	1	
<u>25</u>		Nuclear radiation	S7	1	1
Section 2					
<u>1</u>	(a)(i)	Velocity-time graphs	S6	1	
	(a)(ii)	Velocity-time graphs	S6	1	
	(b)	Acceleration	K3	3	
	(c)	Velocity-time graphs	S4	3	
<u>2</u>	(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	
<u>3</u>	(a)(i)	Energy	K3	4	3
	(a)(ii)	Energy	K3	3	
	(b)	Projectile motion	S3	1	
<u>4</u>	(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
<u>5</u>		Space	K2	3	2
<u>6</u>	(a)	Cosmology	K1	1	
	(b)(i)	Space exploration	K1	1	
	(b)(ii)	Cosmology	S4	3	
	(c)	Cosmology	S6	1	
<u>7</u>	(a)	Electrical charge carriers	K1	1	
	(b)	Electrical charge carriers	K3	3	
	(c)	Practical electrical and electronic circuits	K2	3	2
	(d)	Practical electrical and electronic circuits	K3	1	1
		Ohm's Law	K3	3	2
<u>8</u>	(a)(i)	Electricity	S3	3	1
	(a)(ii)	Electricity	S2	1	
	(a)(iii)	Ohm's Law	S1	1	
	(b)	Ohm's Law	S3	1	
<u>9</u>	(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	
<u>10</u>	(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
<u>11</u>	(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
<u>12</u>	(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
<u>13</u>		Nuclear radiation	K2	3	2
<u>14</u>	(a)	Nuclear radiation	S4	3	
	(b)(i)	Nuclear radiation	S4	1	
	(b)(ii)	Nuclear radiation	K3	3	
<u>15</u>	(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					
<u>1</u>		Vectors and scalars	K1	1	
<u>2</u>		Velocity-time graphs	K3	1	1
<u>3</u>		Acceleration	K3	1	
<u>4</u>		Newton's laws	K2	1	
<u>5</u>		Energy	K3	1	
<u>6</u>		Energy	K3	1	
<u>7</u>		Non specific	S4	1	
<u>8</u>		Space exploration	K3	1	
<u>9</u>		Cosmology	S4	1	
<u>10</u>		Cosmology	S6	1	
<u>11</u>		Electrical charge carriers	S3	1	
<u>12</u>		Potential difference (voltage)	S6	1	1
<u>13</u>		Ohm's Law	K3	1	1
<u>14</u>		Practical electrical and electronic circuits	K3	1	
<u>15</u>		Electrical power	K3	1	
<u>16</u>		Electrical power	S6	1	
<u>17</u>		Specific heat capacity	S7	1	
<u>18</u>		Specific latent heat	S6	1	
<u>19</u>		Gas laws and the kinetic model	K3	1	1
<u>20</u>		Gas laws and the kinetic model	K3	1	1
<u>21</u>		Wave parameters and behaviours	S4	1	
<u>22</u>		Wave parameters and behaviours	S6	1	
<u>23</u>		Nuclear radiation	K3	1	
<u>24</u>		Nuclear radiation	K3	1	
<u>25</u>		Nuclear radiation	K1	1	
Section 2					
<u>1</u>	(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	
<u>2</u>	(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
<u>3</u>		Dynmaics	K2	3	2
<u>4</u>	(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	
<u>5</u>	(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
<u>6</u>	(a)	Ohm's Law	S1	2	
	(b)	Ohm's Law	S4	2	2
	(c)	Ohm's Law	S6	1	1
<u>7</u>	(a)	Practical electrical and electronic circuits	K2	1	
	(b)	Electrical power	K3	3	2
	(c)(i)	Practical electrical and electronic circuits	K1	1	
	(c)(i)	Practical electrical and electronic circuits	K2	3	2
<u>8</u>		Electricity	K2	3	2
<u>9</u>	(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	
<u>10</u>	(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	
<u>11</u>	(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	
<u>12</u>	(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
<u>13</u>	(a)	Refraction of light	K1	1	
	(b)	Refraction of light	K2	2	1
	(c)	Refraction of light	S3	1	
<u>14</u>	(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	
<u>15</u>	(a)(i)	Nuclear radiation	K3	3	
	(a)(ii)	Nuclear radiation	K3	3	
	(b)	Nuclear radiation	K1	1	
	(c)	Nuclear radiation	K2	1	