Studyclix Topic Analysis - Leaving Cert Physics

Exam Question	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	FREQUENCY
Applied Electricity	9 (c)	12(b)	6 (l), 12(b)	13 (b)	5(j)	7	5 (j)	5 (j), 12 (d)(ii)	12 (d)(ii), 5 (j)	10 (b), 5 (j)	11 (b), 5 (j)	10 (b), 5 (j)	10 (b), 5 (j)	10 (b), 5 (j), 11 (h)	10 (b), 5 (j)	10 (b), 5 (j)	10 (b), 5 (j)	10 (b), 5 (j)	10 (b), 5 (j)	18.5
Circular Motion	6 (b), 7	13(iv)	7(vi)-(ix)				6 (a), 11 (g)	11 (e)	6, 12 (c)	6	5 (b)	6	11, 12 (a)	6 (c)		6, 5 (b)	6		6	11
Current Electricity	5, 6 (i), 9 (b), 12 (b (i-ii))			7, 12(d)	5 (b) & 11		10 (b)	5 (h), 11 (b)	5 (g)	5 (g), 11 (e)	5 (f)	8		11 (e)	8	12 (b)	5 (g)	11 (f)	9, 5 (h)	10.5
Electrostatics	6 (h, j)	10(i)-(iv)	6(g), 9(a)	6 (i)(j)	5 (g)	7	5 (g)-(h)	5 (e)-(f)	12 (b)	8	9	12 (c)		9 (a)-(c)	5 (e), 12 (d)	5 (f)	5 (f)	8	5 (g)	11
Electric Circuits	6 (l (ii)), 12 (b (iii-iv))		5,8(vi-viii)	6 (i)(j)			8, 11 (c)			5 (h)	5 (g)	8	9	5 (f), 11 (g)		5 (g)			5 (f)	7.5
Electromagnetism	8 (i - iv), 12 (b (vii-viii))	6(i), 11	14(d),6(h)	10 (vi-viii)			9	11 (a)	10	10 (a)-(b), 11 (a)-(d), 11 (f)-(g)	11 (a), 12 (d)	5 (g)	11	11 (f)	5 (g)-(h)	5 (h), 10 (b)	8	5 (h), 12 (c)	9, 11	12.5
Force, Mass & Momentum	1	7(i)-(ii), 9(vii)	6(c)	7	5(b), 6	Q5 (c), 11 & 12 (a)	5 (a)	5 (b)	12 (a)	12 (a)	6	6, 5 (b)	6	5 (a)	6	6	6, 11 (b), 11 (c)	12 (a)	5 (a)	14.5
Heat & Heat Transfer	3, 6 (d)	4, 6(b)	5,11	9	12(b)	Q5 (e)&(f)	8, 5 (c)	11 (f)-(g)	7	5 (e)	12 (c), 5 (d)	5 (c)-(d)	5 (f), 12 (c)	7 (a)-(b)		11 (c)	7	5 (c)	5 (c), 12 (c)	13
Light	13	3, 6(f)	13(i)-(ii),6(e)	6 (h), 8, 14(d)	5 (c)(f)	5 (a) & (d), 6, 10, 12 (c)	9, 5 (e), 11 (c)	7	5 (d), 11 (c)-(e), 11 (g)	6	7, 9, 5 (e)	7, 5 (e)	11, 12 (b)	8 (a), 11 (b), 11 (d)	11, 5 (c)	7	5 (d)	5 (d)	5 (d)	15.5
Magnets & Magnetic Fields		6(j),13(iii)		10 (i - iv)		9	11 (b)						5 (h)					5 (g)	11	5
Nuclear Energy	10	6(k)	10,11(vii)-(viii)	6 (k)(i)	10(a)		8	5 (i)	9		8, 5 (i)	9, 5 (i)	8	5 (i)	5 (i), 12 (b)	12 (d)	11 (d), 12 (c)	7, 11	8, 5 (i)	13.5
Particle Physics	6 (l (ii)), 12 (a)	12(a)	6(l),12(a)	13 (a)	5(j)	5 (j) & 12 (d)	5 (j), 10 (a)	9, 5 (j), 11 (h), 12 (d)(i)	5 (j), 12 (d)(i)	10 (a), 5 (j)	11 (a), 5 (j)	10 (a), 5 (j)	10 (a), 5 (j)	10 (a), 5 (j)	10 (a), 5 (j), 12 (b)	10 (a), 5 (j)	10 (a), 5 (j)	10 (a), 5 (j)	10 (a), 5 (j)	12.5
Potential Difference		6(g),13(v)		12		Q5 (g)						5 (f)				9		10 (a)		4
Capacitance	11		9(b)				12 (c)			5 (f)	5 (f)	9		5 (e)	5 (f)	9	12 (d)	5 (f)	12 (b)	8
Moments	6 (a)		1				5 (b)	12 (a)						6 (a)					5 (b)	3.5
Density & Pressure		14(a)(iv)	2,6(a)	6(c)	5(a)	Q5 (b)		5 (a)			5 (a)		6, 5 (g)			5 (a)	5 (a), 5 (b)	5 (a)	12 (a)	7
Gravity		6(d)	13(v)	6(d)	12(a)					6		6	6	5 (b)	6		6			8
Mirrors & Reflection		2			5 (d)	12 (c)	11 (d)-(f)	12 (c)				12 (b)		5 (c)		5 (e)				5
Lenses & Refraction	2, 6 (g)	6(c), 6(e)	3,13(iii)-(iv)					5 (c), 11 (a), 11 (b)	5 (c), 12 (b)	11 (b)	5 (e)	12 (b), 5 (d)	12 (b)	5 (b)	12 (c)	9	5 (e)	7		9
Resistance, Resistivity		6(h), 14(c)	6(i),9(c)		10(b)	12 (d)	5 (i)	8	10		10	8	9	12 (c)	8		7	9	9	14
Semiconductors	9 (a), 12 (b (v-vi))	5	8(i)-(viii)		5 (h)	12(b)	12 (d)		8											5
Simple Harmonic Motion	6 (c)	14(a)(i)-(iii)	7,13(iv)-(v)	6 (f), 13 (b)			12 (a)	6	6	5 (b)	12	12 (a)	5 (b)	12 (a)		12 (a)		6		10
Speed, Displacement & Acceleration		1, 6(a), 7(iii)-(vii)	14(a)	6 (a)(b)		6			6	5 (b)	12 (a)	5 (a)	6, 5(c)			6	12 (a)	12 (a)	6	10
Temperature & Thermometers		9(iii)-(iv)	6 (d)	6 (e)				5 (c)	7, 5 (i)	12 (c)	5 (c)	12 (d)		7 (c)		5 (c)				5.5
Radioactivity	14 (b)	6(l), 9(i)-(ii), 9 (v)-(vi)	6(j),10,11	11	8	5 (h) (i) & 11	12 (b)	12 (b)	9, 12 (a)	5 (i), 12 (d)	11 (a)	9	5 (i)	12 (d)		12 (d)	5(i)	12 (d)	10 (a)	13
The Electron	6 (k), 14 (c)	10(vi) - (vii), 14 (d)	6(k),14(c)	14 (c)	5(i), 11	8 & 12 (b)	5 (f), 12 (d)	10	5 (h), 11 (f), 11 (h), 12 (a), 12 (b)	7	5 (h)	5 (h)	12 (d)	5 (g)-(h)	9	8, 5 (i)	11, 5 (h)	5 (i)	12 (d)	14.5
Vectors & Scalars			14(a)				6 (b)				6			5 (a)					12 (a)	4
Vibration & Sound	4, 6 (e), 8 (vii)	8, 14(b)(iv)-(v)	6(f),14(b),11(iv)-(vi)	6 (g)	12(c)	10	7	5 (g)	5 (e), 12 (c)	9		7	11	8 (a), 8 (b)	12 (c)	5 (d)	12 (b), 5 (c)	12 (b)	11	14
Waves & Wave Motion	6 (f), 8 (v - vi), 14 (d)	14(b)(i)-(iii)		14 (b)	5(e),12(c)	10	5 (d), 11 (a)	7, 5 (d)	12 (c)	9, 5 (d)	10	7	8 (a), 5 (d)	7, 11, 12 (c)		12 (b)	7	11, 5 (e)		13.5
Work, Energy & Power	8 (viii - x), 14 (a)	13(i)-(ii),13(vi)	6 (b)				6 (c)	6	7, 5 (a)	12 (a)		12 (a)	11, 12 (a)	11 (a), 11 (c)	9	12 (c)	7, 5 (e), 12 (a)	5 (a), 10 (b), 11 (g)	12 (c)	10.5

Insights

- **Applied Electricity** has the highest frequency, appearing every year in some form, making it essential to study thoroughly.
- **Particle Physics/Applied Electricity** is featured in every exam, either as a complete long question or part of a long question.
- **Vectors and Scalars** has not been included as a long question since 2022.
- **Semiconductors** have been consistently featured in recent years.
- **Resistance, Resistivity** appear frequently in the past papers, in particular as parts of questions.
- **Semiconductors** have become a more consistent topic over the past few years.
- **Force, Mass & Momentum** is another crucial topic, showing up every year.

KEY :

Long Question = 1
Short Question = 0.5

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