

StudyClix Topic Analysis - Leaving Cert Physics

Exam Question	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	FREQUENCY
Applied Electricity	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
Circular Motion	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	10
Current Electricity				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)	9.5
Electrostatics	10(i)-(iv)	6(g), 9(a)		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)	10.5
Electric Circuits		5,8(vi-viii)	6 (l)(j)				8, 11 (c)		5 (h)	5 (g)	8	9	5 (f), 11 (g)		5 (g)			5 (f)	7
Electromagnetism	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
Force, Mass & Momentum	7(i)-(iii), 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)	13.5
Heat & Heat Transfer	4, 6 (b)	5, 11	9	12 (b)	Q5 (e)&(f)	8, 5 (c)	11 (f)-(g)	7	5 (a)	12 (c), 5 (d)	5 (c)-(d)	5 (f), 12 (c)	7 (a)-(b)		11 (c)	7	5 (c)	5 (c), 12 (c)	12
Light	3, 6 (f)	13(i)-(iii), 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)	11, 12 (b)	7, 5 (e)	5 (a), 11 (b), 11 (d)	11, 5 (c)	7	5 (d)	5 (d)	5 (d)	14.5
Magnets & Magnetic Fields	6(j), 12(iii)		10 (i - iv)		9	11 (b)						5 (h)					5 (g)	11	5
Nuclear Energy	6(k)	10, 11(vii)-(viii)	6 (k)(l)	10(a)		8	5 (l)	9		8, 5 (l)	9, 5 (l)	8	5 (l)	5 (l), 12 (b)	12 (d)	11 (d), 12 (c)	7, 11	8, 5 (l)	12.5
Particle Physics	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)	11.5
Potential Difference	6(g), 13(v)		12		Q5 (g)						5 (f)				9		10 (a)		4
Capacitance		9(b)				12 (c)		5 (f)	5 (f)	9			5 (e)	5 (f)	9	12 (d)	5 (f)	12 (b)	7
Moments		1				5 (b)	12 (a)						6 (a)					5 (b)	3
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)	8
Gravity	6(d)	13(v)	6(d)	12(a)				6		6	6	5 (b)	6		6	6			8
Mirrors & Reflection	2			5 (d)	12 (c)	11 (d)-(f)	12 (c)			12 (b)			5 (c)		5 (e)				5
Lenses & Refraction	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 (c)	7	8
Resistance, Resistivity	6(h), 14(c)	6(i), 9(c)		10(b)	12 (d)	5 (l)	8	10		10	8	9	12 (c)	8		7	9	9	14
Semiconductors	5	8(i)-(viii)		5 (h)	12 (b)	12 (d)		8											4.5
Simple Harmonic Motion	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		9.5
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 (l)	12 (c)	5 (c)	12 (d)		7 (c)		5 (c)				5.5
Radioactivity	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 (l), 12 (d)	11 (a)	9	5 (l)	12 (d)		12 (d)	5 (l)	12 (d)	10 (a)	12
The Electron	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 (l)	11, 5 (h)	5 (l)	12 (d)	13.5
Vectors & Scalars		14(a)				6 (b)			5 (a)	6		5 (a)						12 (a)	4
Vibration & Sound	8, 14(b)(iv)-(v)	5, 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	13
Waves & Wave Motion	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)		12.5
Work, Energy & Power	13(i)-(iii), 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)	9.5

Insights

- Light has the highest frequency score and appears in some way every year, this topic should be learned comprehensively
- The Particle Physics/Applied Electricity option appears either as a full long question or as half of a long question every year. It also features as a part in the multiple choice question.
- Work, Energy & Power has not appeared as a long question since 2017.
- Heat & Heat Transfer appear frequently in the long questions.
- 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.
- The Current Electricity topic usually appears annually, but it has not been put on a paper since 2020.

KEY:

Long Question = 1

Short Question = 0.5