

CIE AS Physics (exams 2019-2021)

TOPIC CHECKLIST

Section	Topic	Studied (✓ / X)	Notes (✓ / X)	Multiple Choice (%)	Theory (%)
1. Physical Quantities & Units	Physical Quantities & Units				
2. Measurement Techniques	Measurements & Errors				
3. Kinematics	Equations of Motion				
4. Dynamics	Newton's Laws of Motion				
	Linear Momentum & conservation				
5. Forces, Density & Pressure	Force & the Turning Effect				
	Forces: Equilibrium, Density & Pressure				
6. Work, Energy & Power	Energy Conservation				
	Energy: GPE & KE				
	Power				
7. Deformation of solids	Deformation: Stress & Strain				
	Deformation: Elastic & Plastic Behaviour				
8. Waves	Waves: Transverse & Longitudinal				
	Transverse Waves: EM Spectrum & Polarisation				
9. Superposition	Stationary waves				
	Diffraction & Interference				
10. Electric Fields	Electric Fields				
11. Current of electricity	Current & Potential Difference				
	Resistance & resistivity				
12. D.C. circuits	DC: Practical Circuits & Kirchhoff's Laws				
	DC: Potential Dividers				
13. Particle & Nuclear physics	Atoms, nuclei & radiation				
	Fundamental particles				