IGCSE Physics

Past-Paper Exercise Sheets – Question Index

23 subtopics • 146 questions • 504 marks

1.1 Physical quantities and measurement techniques

8 questions, 22 marks • multiple choice x6, short answer x2

Source	Q	Type	Marks
0625/21 N25	1	multiple choice	1
0625/21 N25	3	multiple choice	1
0625/22 N25	1	multiple choice	1
0625/23 N25	1	multiple choice	1
0625/42 N25	1	short answer	8
0625/41 J25	1	short answer	8
0625/21 J24	1	multiple choice	1
0625/21 N23	1	multiple choice	1

1.2 Motion

11 questions, 37 marks • multiple choice x8, calculation x2, short answer

Source	Q	Type	Marks
0625/21 N25	2	multiple choice	1
0625/22 N25	2	multiple choice	1
0625/23 N25	2	multiple choice	1
0625/23 N25	3	multiple choice	1
0625/43 N25	1	short answer	11
0625/21 J25	1	multiple choice	1
0625/21 J24	7	multiple choice	1
0625/41 J24	1	calculation	10
0625/21 N23	2	multiple choice	1
0625/21 J23	3	multiple choice	1
0625/41 J23	2	calculation	8

1.3 Mass and weight

7 questions, 14 marks • multiple choice x6, calculation

Source	Q	Type	Marks
0625/22 N25	3	multiple choice	1
0625/23 N25	4	multiple choice	1
0625/41 N25	2	calculation	8
0625/21 J24	2	multiple choice	1
0625/21 J24	3	multiple choice	1
0625/21 J23	4	multiple choice	1
0625/21 J23	6	multiple choice	1

1.4 Density

9 questions, 37 marks • multiple choice x6, calculation x3

Source	Q	Type	Marks
0625/21 N25	4	multiple choice	1
0625/22 N25	4	multiple choice	1
0625/23 N25	5	multiple choice	1
0625/43 N25	4	calculation	9
0625/63 N25	1	calculation	11
0625/21 J25	3	multiple choice	1
0625/61 J25	1	calculation	11
0625/21 J24	4	multiple choice	1
0625/21 N23	4	multiple choice	1

1.5 Forces

5 questions, 22 marks • short answer x2, multiple choice x2, long answer

Source	Q	Type	Marks
0625/42 J24	2	short answer	6
0625/22 M24	2	multiple choice	1
0625/22 M24	6	multiple choice	1
0625/42 M24	1	long answer	8
0625/42 M24	2	short answer	6

1.6 Momentum

8 questions, 27 marks • multiple choice x5, calculation x3

Source	Q	Type	Marks
0625/21 N25	7	multiple choice	1
0625/22 N25	6	multiple choice	1
0625/23 N25	8	multiple choice	1
0625/43 N25	2	calculation	5
0625/21 J24	6	multiple choice	1
0625/41 J24	2	calculation	8
0625/21 N23	7	multiple choice	1
0625/41 N23	1	calculation	9

1.7 Energy, work and power

5 questions, 23 marks • multiple choice x2, long answer x2, short answer

Source	Q	Type	Marks
0625/42 N24	3	short answer	7
0625/22 J24	13	multiple choice	1
0625/42 J24	3	long answer	6
0625/22 M24	3	multiple choice	1
0625/42 M24	1	long answer	8

1.8 Pressure

6 questions, 13 marks • multiple choice x5, calculation

Source	Q	Type	Marks
0625/21 N25	9	multiple choice	1
0625/22 N25	9	multiple choice	1
0625/42 N25	4	calculation	8
0625/21 J25	9	multiple choice	1
0625/21 N23	11	multiple choice	1
0625/21 J23	13	multiple choice	1

2.1 Kinetic particle model of matter

5 questions, 23 marks • multiple choice x3, calculation, long answer

Source	Q	Type	Marks
0625/22 M24	9	multiple choice	1
0625/22 M24	12	multiple choice	1
0625/22 M24	14	multiple choice	1
0625/42 M24	3	calculation	9
0625/42 M23	4	long answer	11

2.2 Thermal properties and temperature

5 questions, 28 marks • multiple choice x2, short answer x2, long answer

Source	Q	Type	Marks
0625/22 M24	13	multiple choice	1
0625/22 M24	15	multiple choice	1
0625/42 M24	4	short answer	8
0625/42 M23	4	long answer	11
0625/42 M22	3	short answer	7

2.3 Transfer of thermal energy

5 questions, 25 marks • multiple choice x3, long answer, calculation

Source	Q	Type	Marks
0625/22 M24	10	multiple choice	1
0625/22 M24	11	multiple choice	1
0625/22 M23	17	multiple choice	1
0625/42 M23	4	long answer	11
0625/42 M22	4	calculation	11

3.1 General properties of waves

8 questions, 15 marks • multiple choice x7, short answer

Source	Q	Type	Marks
0625/21 N25	18	multiple choice	1
0625/22 N25	17	multiple choice	1
0625/21 J25	17	multiple choice	1
0625/21 J24	16	multiple choice	1
0625/41 J24	5	short answer	8
0625/21 N23	17	multiple choice	1
0625/21 N23	18	multiple choice	1
0625/21 J23	17	multiple choice	1

3.2 Light

5 questions, 27 marks • multiple choice x2, short answer x2, calculation

Source	Q	Type	Marks
0625/22 J24	20	multiple choice	1
0625/22 J24	21	multiple choice	1
0625/42 M24	6	short answer	6
0625/42 M23	5	calculation	10
0625/42 M22	5	short answer	9

3.3 Electromagnetic spectrum

8 questions, 25 marks • multiple choice x6, short answer, calculation

Source	Q	Type	Marks
0625/21 N25	22	multiple choice	1
0625/23 N25	22	multiple choice	1
0625/43 N25	5	short answer	10
0625/21 J25	22	multiple choice	1
0625/21 J24	21	multiple choice	1
0625/21 N23	22	multiple choice	1
0625/21 J23	21	multiple choice	1
0625/41 J23	6	calculation	9

3.4 Sound

8 questions, 15 marks • multiple choice x7, calculation

Source	Q	Type	Marks
0625/21 N25	23	multiple choice	1
0625/22 N25	23	multiple choice	1
0625/23 N25	23	multiple choice	1
0625/41 N25	5	calculation	8
0625/21 J25	23	multiple choice	1
0625/21 J24	22	multiple choice	1
0625/21 J24	23	multiple choice	1
0625/21 J23	22	multiple choice	1

4.1 Simple phenomena of magnetism

8 questions, 11 marks • multiple choice x7, short answer

Source	Q	Type	Marks
0625/21 N25	24	multiple choice	1
0625/22 N25	24	multiple choice	1
0625/21 J25	24	multiple choice	1
0625/41 J25	6	short answer	4
0625/21 J24	24	multiple choice	1
0625/21 J24	25	multiple choice	1
0625/21 N23	24	multiple choice	1
0625/21 J23	23	multiple choice	1

4.2 Electrical quantities

5 questions, 23 marks • multiple choice x2, short answer x2, calculation

Source	Q	Type	Marks
0625/22 M24	23	multiple choice	1
0625/22 M24	24	multiple choice	1
0625/42 M24	7	short answer	5
0625/42 M23	3	short answer	7
0625/42 M22	7	calculation	9

4.3 Electric circuits

5 questions, 25 marks • multiple choice x2, short answer x2, calculation

Source	Q	Type	Marks
0625/22 M24	28	multiple choice	1
0625/22 M24	29	multiple choice	1
0625/42 M24	7	short answer	5
0625/42 M23	7	short answer	9
0625/42 M22	7	calculation	9

4.5 Electromagnetic effects

5 questions, 19 marks • multiple choice x3, short answer x2

Source	Q	Type	Marks
0625/22 J24	32	multiple choice	1
0625/22 M24	25	multiple choice	1
0625/42 M24	8	short answer	8
0625/22 M23	30	multiple choice	1
0625/42 M23	8	short answer	8

5.1 The nuclear model of the atom

5 questions, 20 marks • multiple choice x3, short answer, long answer

Source	Q	Type	Marks
0625/22 M24	30	multiple choice	1
0625/22 M24	32	multiple choice	1
0625/42 M24	9	short answer	9
0625/22 M23	33	multiple choice	1
0625/42 M23	9	long answer	8

5.2 Radioactivity

5 questions, 20 marks • multiple choice x3, short answer x2

Source	Q	Type	Marks
0625/22 M24	31	multiple choice	1
0625/22 M24	33	multiple choice	1
0625/22 M24	34	multiple choice	1
0625/42 M24	9	short answer	9
0625/42 M22	10	short answer	8

6.1 The Earth and the Solar System

5 questions, 18 marks • multiple choice x3, short answer x2

Source	Q	Type	Marks
0625/22 M24	36	multiple choice	1
0625/22 M24	38	multiple choice	1
0625/22 M24	40	multiple choice	1
0625/42 M24	10	short answer	8
0625/42 M23	10	short answer	7

6.2 Stars and the Universe

5 questions, 15 marks • multiple choice x3, short answer x2

Source	Q	Type	Marks
0625/22 M24	37	multiple choice	1
0625/22 M24	39	multiple choice	1
0625/42 M24	11	short answer	5
0625/22 M23	39	multiple choice	1
0625/42 M23	10	short answer	7