

Grade thresholds – June 2022

Cambridge International AS & A Level Physics (9702)

Grade thresholds taken for Syllabus 9702 (Physics) in the June 2022 examination.

		minimum raw mark required for grade:				
	maximum raw mark available	А	В	С	D	E
Component 11	40	25	21	17	14	11
Component 12	40	24	21	18	15	12
Component 13	40	25	21	18	15	12
Component 21	60	41	34	27	19	12
Component 22	60	42	33	25	17	8
Component 23	60	40	32	25	17	9
Component 31	40	30	27	24	21	19
Component 32	40	30	27	24	21	19
Component 33	40	29	26	22	19	16
Component 34	40	29	26	23	20	17
Component 35	40	30	27	23	20	17
Component 41	100	59	51	41	31	20
Component 42	100	54	46	35	24	13
Component 43	100	59	51	41	31	20
Component 50	75	55	47	38	29	20
Component 51	30	19	17	14	11	8
Component 52	30	20	17	14	11	8
Component 53	30	19	17	14	11	8
Component 60	75	54	45	36	27	18

Grade A* does not exist at the level of an individual component.

The overall thresholds for the different grades were set as follows. Options with an additional letter, e.g. BYJ, refer to A2-only options.

Option	Maximum mark after weighting	Combination of Components	A*	Α	В	С	D	E
AX	260	11, 21, 31, 41, 51	191	167	143	117	91	65
AY	260	12, 22, 33, 42, 52	187	162	137	109	81	53
AZ	260	13, 23, 35, 43, 53	191	166	141	114	88	62

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Grade thresholds continued

Cambridge AS & A Level Physics (9702)

Option Maximum mark after weighting Combination of Components A* A B C D E BX1 260 41, 51, 84 186 165 144 119 94 70 BX2 260 41, 51, 87 185 164 143 118 94 70 BXJ 130 41, 51 85 74 63 47 32 17 BY1 260 42, 52, 85 191 166 141 113 86 59 BY2 260 42, 52, 88 186 162 138 110 82 55 BYJ 130 42, 52 82 70 58 43 28 13 BZ1 260 43, 53, 86 198 173 148 121 95 69 CP1 260 43, 53, 94 185 162 139 113 88 63 CQ1 260 41, 51, 98 182 <			` ` `	•					
BX2 260 41, 51, 87 185 164 143 118 94 70 BXJ 130 41, 51 85 74 63 47 32 17 BY1 260 42, 52, 85 191 166 141 113 86 59 BY2 260 42, 52, 88 186 162 138 110 82 55 BYJ 130 42, 52 82 70 58 43 28 13 BZ1 260 43, 53, 86 198 173 148 121 95 69 CP1 260 43, 53, 94 185 162 139 113 88 63 CQ1 260 41, 51, 95 184 161 138 112 87 62 CQ2 260 41, 51, 98 182 159 136 110 85 60 CQ1 260 42, 52, 96 186 161 136	Option	mark after		A*	Α	В	С	D	Е
BXJ 130 41, 51 85 74 63 47 32 17 BY1 260 42, 52, 85 191 166 141 113 86 59 BY2 260 42, 52, 88 186 162 138 110 82 55 BYJ 130 42, 52 82 70 58 43 28 13 BZ1 260 43, 53, 86 198 173 148 121 95 69 CP1 260 43, 53, 94 185 162 139 113 88 63 CQ1 260 41, 51, 95 184 161 138 112 87 62 CQ2 260 41, 51, 98 182 159 136 110 85 60 CQ1 260 42, 52, 96 186 161 136 109 82 56 CR2 260 42, 52, 99 183 159 135	BX1	260	41, 51, 84	186	165	144	119	94	70
BY1 260 42, 52, 85 191 166 141 113 86 59 BY2 260 42, 52, 88 186 162 138 110 82 55 BYJ 130 42, 52 82 70 58 43 28 13 BZ1 260 43, 53, 86 198 173 148 121 95 69 CP1 260 43, 53, 94 185 162 139 113 88 63 CQ1 260 41, 51, 95 184 161 138 112 87 62 CQ2 260 41, 51, 98 182 159 136 110 85 60 CQN 130 41, 51 85 74 63 47 32 17 CR1 260 42, 52, 96 186 161 136 109 82 56 CR2 260 42, 52, 99 183 159 135	BX2	260	41, 51, 87	185	164	143	118	94	70
BY2 260 42, 52, 88 186 162 138 110 82 55 BYJ 130 42, 52 82 70 58 43 28 13 BZ1 260 43, 53, 86 198 173 148 121 95 69 CP1 260 43, 53, 94 185 162 139 113 88 63 CQ1 260 41, 51, 95 184 161 138 112 87 62 CQ2 260 41, 51, 98 182 159 136 110 85 60 CQN 130 41, 51 85 74 63 47 32 17 CR1 260 42, 52, 96 186 161 136 109 82 56 CR2 260 42, 52, 99 183 159 135 108 81 54 CRN 130 42, 52 82 70 58	BXJ	130	41, 51	85	74	63	47	32	17
BYJ 130 42,52 82 70 58 43 28 13 BZ1 260 43,53,86 198 173 148 121 95 69 CP1 260 43,53,94 185 162 139 113 88 63 CQ1 260 41,51,95 184 161 138 112 87 62 CQ2 260 41,51,98 182 159 136 110 85 60 CQN 130 41,51 85 74 63 47 32 17 CR1 260 42,52,96 186 161 136 109 82 56 CR2 260 42,52,99 183 159 135 108 81 54 CRN 130 42,52 82 70 58 43 28 13 CX1 260 42,52,95 181 157 133 107	BY1	260	42, 52, 85	191	166	141	113	86	59
BZ1 260 43, 53, 86 198 173 148 121 95 69 CP1 260 43, 53, 94 185 162 139 113 88 63 CQ1 260 41, 51, 95 184 161 138 112 87 62 CQ2 260 41, 51, 98 182 159 136 110 85 60 CQN 130 41, 51 85 74 63 47 32 17 CR1 260 42, 52, 96 186 161 136 109 82 56 CR2 260 42, 52, 99 183 159 135 108 81 54 CRN 130 42, 52 82 70 58 43 28 13 CX1 260 41, 51, 94 185 162 139 113 88 63 CY1 260 42, 52, 98 179 155 131	BY2	260	42, 52, 88	186	162	138	110	82	55
CP1 260 43, 53, 94 185 162 139 113 88 63 CQ1 260 41, 51, 95 184 161 138 112 87 62 CQ2 260 41, 51, 98 182 159 136 110 85 60 CQN 130 41, 51 85 74 63 47 32 17 CR1 260 42, 52, 96 186 161 136 109 82 56 CR2 260 42, 52, 99 183 159 135 108 81 54 CRN 130 42, 52 82 70 58 43 28 13 CX1 260 41, 51, 94 185 162 139 113 88 63 CY1 260 42, 52, 95 181 157 133 107 81 55 CY2 260 42, 52, 98 179 155 131	BYJ	130	42, 52	82	70	58	43	28	13
CQ1 260 41, 51, 95 184 161 138 112 87 62 CQ2 260 41, 51, 98 182 159 136 110 85 60 CQN 130 41, 51 85 74 63 47 32 17 CR1 260 42, 52, 96 186 161 136 109 82 56 CR2 260 42, 52, 99 183 159 135 108 81 54 CRN 130 42, 52 82 70 58 43 28 13 CX1 260 41, 51, 94 185 162 139 113 88 63 CY1 260 42, 52, 95 181 157 133 107 81 55 CY2 260 42, 52, 98 179 155 131 105 79 53 CYN 130 42, 52 82 70 58	BZ1	260	43, 53, 86	198	173	148	121	95	69
CQ2 260 41, 51, 98 182 159 136 110 85 60 CQN 130 41, 51 85 74 63 47 32 17 CR1 260 42, 52, 96 186 161 136 109 82 56 CR2 260 42, 52, 99 183 159 135 108 81 54 CRN 130 42, 52 82 70 58 43 28 13 CX1 260 41, 51, 94 185 162 139 113 88 63 CY1 260 42, 52, 95 181 157 133 107 81 55 CY2 260 42, 52, 98 179 155 131 105 79 53 CYN 130 42, 52 82 70 58 43 28 13 HX 260 11, 21, 32, 41, 51 191 167 143	CP1	260	43, 53, 94	185	162	139	113	88	63
CQN 130 41, 51 85 74 63 47 32 17 CR1 260 42, 52, 96 186 161 136 109 82 56 CR2 260 42, 52, 99 183 159 135 108 81 54 CRN 130 42, 52 82 70 58 43 28 13 CX1 260 41, 51, 94 185 162 139 113 88 63 CY1 260 42, 52, 95 181 157 133 107 81 55 CY2 260 42, 52, 98 179 155 131 105 79 53 CYN 130 42, 52 82 70 58 43 28 13 HX 260 11, 21, 32, 41, 51 191 167 143 117 91 65 HY 260 12, 22, 34, 42, 52 187 162 137<	CQ1	260	41, 51, 95	184	161	138	112	87	62
CR1 260 42, 52, 96 186 161 136 109 82 56 CR2 260 42, 52, 99 183 159 135 108 81 54 CRN 130 42, 52 82 70 58 43 28 13 CX1 260 41, 51, 94 185 162 139 113 88 63 CY1 260 42, 52, 95 181 157 133 107 81 55 CY2 260 42, 52, 98 179 155 131 105 79 53 CYN 130 42, 52 82 70 58 43 28 13 HX 260 11, 21, 32, 41, 51 191 167 143 117 91 65 HY 260 12, 22, 34, 42, 52 187 162 137 109 81 54 P1 75 50 - 55 47	CQ2	260	41, 51, 98	182	159	136	110	85	60
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CRN 130 42, 52 82 70 58 43 28 13 CX1 260 41, 51, 94 185 162 139 113 88 63 CY1 260 42, 52, 95 181 157 133 107 81 55 CY2 260 42, 52, 98 179 155 131 105 79 53 CYN 130 42, 52 82 70 58 43 28 13 HX 260 11, 21, 32, 41, 51 191 167 143 117 91 65 HY 260 12, 22, 34, 42, 52 187 162 137 109 81 54 P1 75 50 - 55 47 38 29 20 P2 150 50, 60 126 109 92 74 56 38 P3 150 60, 80 130 114 98 81 64 48 S1 130 11, 21, 31 - 89 <t< td=""><td>CR1</td><td>260</td><td>42, 52, 96</td><td>186</td><td>161</td><td>136</td><td>109</td><td>82</td><td>56</td></t<>	CR1	260	42, 52, 96	186	161	136	109	82	56
CX1 260 41, 51, 94 185 162 139 113 88 63 CY1 260 42, 52, 95 181 157 133 107 81 55 CY2 260 42, 52, 98 179 155 131 105 79 53 CYN 130 42, 52 82 70 58 43 28 13 HX 260 11, 21, 32, 41, 51 191 167 143 117 91 65 HY 260 12, 22, 34, 42, 52 187 162 137 109 81 54 P1 75 50 - 55 47 38 29 20 P2 150 50, 60 126 109 92 74 56 38 P3 150 60, 80 130 114 98 81 64 48 S1 130 11, 21, 31 - 89 75 6	CR2	260	42, 52, 99	183	159	135	108	81	54
CY1 260 42, 52, 95 181 157 133 107 81 55 CY2 260 42, 52, 98 179 155 131 105 79 53 CYN 130 42, 52 82 70 58 43 28 13 HX 260 11, 21, 32, 41, 51 191 167 143 117 91 65 HY 260 12, 22, 34, 42, 52 187 162 137 109 81 54 P1 75 50 - 55 47 38 29 20 P2 150 50, 60 126 109 92 74 56 38 P3 150 60, 80 130 114 98 81 64 48 S1 130 11, 21, 31 - 89 75 62 49 37 S2 130 12, 22, 33 - 88 74 60	CRN	130	42, 52	82	70	58	43	28	13
CY2 260 42, 52, 98 179 155 131 105 79 53 CYN 130 42, 52 82 70 58 43 28 13 HX 260 11, 21, 32, 41, 51 191 167 143 117 91 65 HY 260 12, 22, 34, 42, 52 187 162 137 109 81 54 P1 75 50 - 55 47 38 29 20 P2 150 50, 60 126 109 92 74 56 38 P3 150 60, 80 130 114 98 81 64 48 S1 130 11, 21, 31 - 89 75 62 49 37 S2 130 11, 21, 32 - 89 75 62 49 37 S3 130 12, 22, 33 - 88 74 60	CX1	260	41, 51, 94	185	162	139	113	88	63
CYN 130 42, 52 82 70 58 43 28 13 HX 260 11, 21, 32, 41, 51 191 167 143 117 91 65 HY 260 12, 22, 34, 42, 52 187 162 137 109 81 54 P1 75 50 - 55 47 38 29 20 P2 150 50, 60 126 109 92 74 56 38 P3 150 60, 80 130 114 98 81 64 48 S1 130 11, 21, 31 - 89 75 62 49 37 S2 130 11, 21, 32 - 89 75 62 49 37 S3 130 12, 22, 33 - 88 74 60 46 32 S4 130 12, 22, 34 - 88 74 60 <td< td=""><td>CY1</td><td>260</td><td>42, 52, 95</td><td>181</td><td>157</td><td>133</td><td>107</td><td>81</td><td>55</td></td<>	CY1	260	42, 52, 95	181	157	133	107	81	55
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P1 75 50 - 55 47 38 29 20 P2 150 50, 60 126 109 92 74 56 38 P3 150 60, 80 130 114 98 81 64 48 S1 130 11, 21, 31 - 89 75 62 49 37 S2 130 11, 21, 32 - 89 75 62 49 37 S3 130 12, 22, 33 - 88 74 60 46 32 S4 130 12, 22, 34 - 88 74 60 46 33	HX	260	11, 21, 32, 41, 51	191	167	143	117	91	65
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S3 130 12, 22, 33 - 88 74 60 46 32 S4 130 12, 22, 34 - 88 74 60 46 33	S1	130	11, 21, 31	_	89	75	62	49	37
S4 130 12, 22, 34 - 88 74 60 46 33	S2	130	11, 21, 32	_	89	75	62	49	37
	S3	130	12, 22, 33	-	88	74	60	46	32
S5 130 13, 23, 35 - 88 73 60 47 34	S4	130	12, 22, 34	_	88	74	60	46	33
	S5	130	13, 23, 35	_	88	73	60	47	34