

Physics 12
Resource Exam A
Answer Key

Cognitive Processes	Weightings	Question Types
K = Knowledge	10%	35 = Multiple Choice (MC)
U = Understanding	80%	6 = Written Response (WR)
H = Higher Mental Processes	10%	

Topics	Prescribed Learning Outcomes (PLOs)	Weightings
1. Vector Kinematics in Two Dimensions and Dynamics and Vector Dynamics	B, C, D	18%
2. Work, Energy and Power and Momentum	E	6%
	F	6%
3. Equilibrium	G	12%
4. Circular Motion and Gravitation	H	8%
	I	8%
5. Electrostatics	J	12%
6. Electric Circuits	K	12%
7. Electromagnetism	L	18%

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	C	K	2	1	B1	MC
2.	C	U	2	1	C1	MC
3.	B	U	2	1	C2	MC
4.	A	K	2	1	D1	MC
5.	B	U	2	1	D1	MC
6.	B	U	2	1	D2	MC
7.	C	U	2	2	E1	MC
8.	D	U	2	2	E1	MC
9.	A	U	2	2	F1	MC
10.	D	U	2	2	F7	MC
11.	A	U	2	2	F2	MC
12.	D	K	2	3	G1	MC
13.	C	U	2	3	G1	MC
14.	B	U	2	3	G1	MC
15.	D	U	2	3	G1	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
16.	D	U	2	4	H1	MC
17.	C	U	2	4	H1	MC
18.	D	U	2	4	H1	MC
19.	A	U	2	4	I1	MC
20.	A	H	2	4	I1	MC
21.	D	K+	2	4	I1	MC
22.	D	U	2	5	J1	MC
23.	D	U	2	5	J2	MC
24.	B	U+	2	5	J1	MC
25.	B	U	2	5	J3	MC
26.	A	U	2	6	K1	MC
27.	C	U	2	6	K1	MC
28.	B	U	2	6	K1	MC
29.	A	U	2	6	K1	MC
30.	D	K	2	7	L1	MC
31.	D	U/A	2	7	L1	MC
32.	D	U/A	2	7	L1	MC
33.	A	U	2	7	L2	MC
34.	A	U/A	2	7	L2	MC
35.	B	U/A	2	7	L2	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	–	U	5		D2	WR
2.	–	U	5		G1	WR
3.	–	U	6		I1	WR
4.	–	U/H	5		L2	WR
5.	–	H	5		A2H1	WR
6.	–	H	4		A1	WR