

SET II**KENDRIYA VIDYALAYA SANGATHAN, BHOPAL REGION****MARKING SCHEME CLASS XII****SUBJECT – PHYSICS (THEORY)****PRE BOARD EXAMINATION – 2012-21****SECTION A****Direction (Q-1 to 26) Select the most appropriate option**

1	C	1
2	D	1
3	A	1
4	A	1
5	C	1
6	C	1
7	B	1
8	C	1
9	A	1
10	C	1
11	A	1
12	B	1
13	B	1
14	A	1
SECTION B		
15	B, A, D, D, A (ANY FOUR)	1+1+1+1
16	D, A, C, C, A (ANY FOUR)	1+1+1+1
SECTION C		
17	DERIVATION FOR BALANCE WHEATSTONE BRIDGE	2
18	FOR CORRECT ARRANGEMENT OR	2

	FOR EACH CORRECT ANSWER GIVE 1 MARK	1+1
19	FOR CORRECT REASON	2
	OR FOR CORRECT REASON	2
20	GRAPH + EACH CORRECT REASON	1 + ½ + ½
21	GRAPH + EACH CORRECT REASON	1 + ½ + ½
22	CORRECT TRACE OF PATH + JUSTIFICATION	½ + ½ + ½ + ½
23	CORRECT FORMULA + CORRECT SOLUTION	1+1
	OR CORRECT FORMULA + CORRECT SOLUTION	1+1
24	CORRECT FORMULA + CORRECT SOLUTION	1+1
25	CORRECT EXPLANATION	2
SECTION B		
26	FOR EACH CORRECT DIAGRAM GIVE 1 MARK	3
27	DERIVATION + DEFINITION	2+1
	OR FOR EACH CORRECT ANSWER GIVE 1 MARK	1+1+1
28	GIVE 1 MARK FOR EACH MAGNETIC ELEMENTS AND DEFINITIONS	1+1+1
29	CORRECT FORMULA + SOLUTION + JUSTIFICATION	1+1+1
	OR FOR CORRECT EQUATION + TWO CHARACTERISTICS	1+1+1
30	(a) CORRECT DIAGRAM + REASON ANSWER + (b) CORRECT REASON	(a) 1+1
	OR	(b) ½ + ½
	DIAGRAM + EXPLANATION	1 ½ + 1 ½
SECTION E		
31	DERIVATION FOR ENERGY STORED + ENERGY DENSITY + FOR EACH CORRECT ANSWER GIVE ½ MARK	2 ½ + 1 + 1 ½
	OR DIAGRAM + DERIVATION FOR BALANCE WHEATSTONE BRIDGE + CORRECT ANSWER FOR NUMERICALS	1+2+2
32	DEFINITION + UNIT + DERIVATION	1+1+3
	OR	
	DIAGRAM + WORKING	1+2
	TWO CORRECT SOURCE OF LOSSES	1
	CORRECT REASON	1

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DIAGRAM + DERIVATION

2+3