



# INTERMEDIATE NATIONAL ELECTRICITY EXAMINATION

## FOR STUDENTS OF GRADES 10, 11 AND 12

### 2023

NAME: \_\_\_\_\_ GRADE: \_\_\_\_\_  
 SCHOOL: \_\_\_\_\_ DISTRICT: \_\_\_\_\_  
 DATE: \_\_\_\_\_

1. The voltage across a resistor is 12V and the current through it is 2A. Calculate the power dissipated by the resistor.  
 2. A circuit contains a 10V battery and two resistors in series. One resistor is 5Ω and the other is 15Ω. Calculate the current flowing through the circuit.  
 3. A circuit contains a 10V battery and two resistors in parallel. One resistor is 5Ω and the other is 15Ω. Calculate the current flowing through the circuit.

Q. NO.	MARKS	ANSWER	REMARKS
1	1		
2	2		
3	2		
4	2		
5	2		
6	2		
7	2		
8	2		
9	2		
10	2		
11	2		
12	2		
13	2		
14	2		
15	2		
16	2		
17	2		
18	2		
19	2		
20	2		

FINAL MARKS: \_\_\_\_\_

SIGNATURE OF EXAMINER: \_\_\_\_\_

Signature of Candidate: \_\_\_\_\_  
 Name of Candidate: \_\_\_\_\_  
 Date: \_\_\_\_\_

Signature of Examiner: \_\_\_\_\_

Date of Pending Office: \_\_\_\_\_

05/05/2023