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| UBND HUYỆN TIÊN LÃNG  **TRƯỜNG THCS TIÊN TIẾN** | **ĐỀ THI CHỌN HỌC SINH GIỎI**  **MÔN: VẬT LÝ 9 BẰNG TIẾNG ANH**  Năm học 2017 – 2018 |

**Ex1:** A table is a power rating 1100W and rated current 5A.

The resistivity is 1,1.10-6Ωm and the cross section of the wire is0,5mm2, the length of the wire is…………………….

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| Answer: |

**Ex2:** Set a voltage U = 12V at both ends of a resistor R then the current through the resistor is 0,2A. If the voltage increase 2,5 times the current does not change the power, the wire must be replaced with resistance is ......………….

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| Answer: |

**Ex3:** A wire when it is connected to a 5V voltage, the current through it is 100mA. When the voltage is increased by 20% compared to the original, the current through it is ......………….

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| Answer: |

**Ex4:** 20W fluorescent bulb brighter than 60W bulb is due to ................

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| Answer: |

**Ex5:** Three resistors R1 = 2Ω , R2 = 3Ω , R3 = 6Ωparallel to the circuit U = 6V, the current through main circuit is .....................

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| Answer: |

**Ex6:** Resistance R1= 10Ωto withstand the largest voltage placed on both ends of it is U1 = 6V. Resistor R2= 10Ωwithstand the largest voltage set at its two ends isU2= 4V. The circuit consisting of R1and R2 in series with the largest voltage applied at both ends of this circuit is ......... ..

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| Answer: |

**Ex7**: A conductor with a resistance of 176Ω is connected to a power source with a voltage of U = 220V. The heat dissipated on the wire for 15 minutes is ......... calories

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| Answer: |

**Ex8**: Put an electromotive A with an alternating current running in front of a coil winding B. After the K switch is closed, there is an induced current in the coil B. People use .......... Of alternating current

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| Answer: |

**Ex 9:** If the voltage of the internal network is 220V then 220V is called ............ ..

At different times, the voltage may be greater than or less than or equal to this value.

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| Answer: |

**Ex10:** AC induction current occurs in closed conductor when ……...

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| Answer: |

**TỰ LUẬN:(Self-reflection)**

**Ex11:**

An electric motor with a rated voltage of 220V, operating at 220V voltage. The electric current passes through the motor is 3A.

a) How much current does the electric current flow through the engine produce?

b) Assume the efficiency of the engine is 80%.Please calculate the usefulness that has been achieved during that time.

**Solusion**

**ĐÁP ÁN MÔN VẬT LÝ 9 BẰNG TIẾNG ANH**

**Câu 1**: l = 20m.

**Câu 2**: R = 150Ω

**Câu 3**: I = 120mA.

**Câu 4**: The luminous efficiency of tube bulbs is greater.

**Câu 5**: I = 6A

**Câu 6**: U = 9V.

**Câu 7**: Q = 59.400calo

**Câu 8**: effects from.

**Câu 9**: effective value.

**Câu 10**: Number of magnetic lines passing through the coil cross section

**Câu 11:**

a) In 2 hours, the current flowing through the engine produces one:

A = P.t = U.I.t = 220.3.2 = 1320Wh.

b) The useful work that has been done during that time is:

H = Qi / QTP => Qi = H. QTP = 80%. 1320 = 1056 Wh.

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