

By. Er. Dharmendra Sir

7974073108, 9584873492

# **DPM CLASSES**

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

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**TEST - PAPER (CBSE/NCERT)**

**ELECTRICITY**

**SESSION -2024-25**

**CLASS - 10<sup>th</sup>**

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Time : 1 hr

∴ Electricity :-

mm.

Q.1. How much work is done in moving a charge of 2 C across two points having potential difference 12 V ?



Q.2. Define electric current. What is the S.I. unit ?

Q.3. Which two metal wires are generally used for transmission of electricity ?

Q.4. Draw the symbols of the following component used in circuit diagram :

(a) An electric cell (b) Rheostat.



Q.5. Which uses more energy, a 250 W TV set in 1 hour or a 1200 W toaster in 10 min ?

Q.6. Write the Environmental symbols of the following components used in electric circuit diagram :

- (i) An electric cell      (ii) a wire joint  
(iii) electric bulb      (iv) Voltmeter.

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Q.7. (i) State Ohm's law.

(ii) Define electric current and write SI unit.

Q.8. Write the factors affecting the resistance of a conductor.



Q.9. Why is tungsten used almost exclusively for filament of electric lamps?

Q.10. An electric motor takes 5 A from a 220 V line. Determine the power of the motor and the energy consumed in 2 hours.



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