Worksheet: Electricity

Uttar Pradesh State Board · Class 10 · Science · 4 questions · 10 marks

Name: _____ Date: _____ Score: _____ / 10

Q1. A bulb of resistance 110 Ω is connected to 220V supply. Find current. *[1 mark]*

Q2. Find total resistance of 4Ω, 6Ω, 8Ω in series. *[1 mark]*

Q3. Find equivalent resistance of 2Ω, 4Ω, 6Ω in parallel. *[3 marks]*

Q4. A heater of 1000W operates on 220V for 4 hours daily. Find: (a) resistance, (b) current, (c) monthly energy in kWh, (d) cost at ₹6/unit. *[5 marks]*