

1/7/2020
Wednesday

PHYSICS

STD - 8
class - 06

Assignment

1) Complete the Table 1.6 [Text book page no. 17]

Ans)

Resistors in series	Resistors in parallel
<ul style="list-style-type: none">• Effective resistance increases	<ul style="list-style-type: none">• Effective resistance decreases.
<ul style="list-style-type: none">• Current through each resistor is same	<ul style="list-style-type: none">• Current through each resistor is different.
<ul style="list-style-type: none">• Potential difference across each other is different.	<ul style="list-style-type: none">• Potential difference is same.
<ul style="list-style-type: none">• Each resistor cannot be controlled by using separate switch	<ul style="list-style-type: none">• Each resistor can be controlled by using separate switches.

2) If 0.4 A current flows through a bulb which works at 230 V. what is its power?

Ans)

$$V = 230 \text{ V}$$

$$I = 0.4 \text{ A}$$

$$\therefore \text{Power, } P = VI$$

$$= 230 \times 0.4$$

$$P = \underline{\underline{92 \text{ W}}}$$

