

# Govt ITI Bidkalkatte

## WCS EL A

Q. ID: ITISKILL0668YE | December 2025

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Attempt No.	#1	Completion Time	11:25 AM
Rank	#6	Total Questions	10

7 SCORE

10 MAX MARKS

7 CORRECT

3 INCORRECT

### Answer Review

**Q1 CORRECT** What is the total resistance if three resistances of 3 ohms, 9 ohms and 5 ohms are connected in series?

A. 11 ohms

B. 7 ohm

C. 17 ohms

D. 1/17 ohms

**Q2 CORRECT** Which law states that at constant temperature the current passing through a closed circuit is directly proportional to the potential difference and inversely proportional to the resistance?

A. Ohm's law

B. Lenz's law

C. Newton's law

D. Hooke's law

Q3 **INCORRECT** What does EMF stands for?

A. Electronic Magnetic Force

B. Electro Motive Force

C. Electro Magnetic Force

D. Electromated Force

Q4 **CORRECT** Which alloy used in electric lamp as filament?

A. Cobalt

B. Vanadium

C. Tungsten

D. Silicon

Q5 **INCORRECT** What is the work done in unit time?

A. Energy

B. Power

C. Force

D. Acceleration

Q6 **CORRECT** What is the capacity of a body to do work is called?

A. Energy

B. Power

C. Acceleration

D. Force

Q7 **CORRECT** What is the ratio of power output to power input?

A. Work

B. Energy

C. Efficiency

D. Acceleration

Q8 **INCORRECT** How many watts for 1 horse power in British system?

A. 726 watts

B. 736 watts

C. 746 watts

D. 756 watts

Q9 **CORRECT** What is the work done, if a force of 250 newtons acted upon a body and the body has been moved through a distance of 15 metres?

A. 3720 Joules

B. 3730 Joules

C. 3740 Joules

D. 3750 Joules

Q10 **CORRECT** What is the work done in joules if a load of 15.5 kg is lifted through a height of 4.4 metres?

A. 639 Joules

B. 649 Joules

C. 659 Joules

D. 669 Joules