

INDIAN ARMY

Syllabus For Written Exam

TEST - 01

SOL.TECH



ESWAR ARMY AND POLICE COACHING CENTRE SEKKAPATTY BATLAGUNDU DINDIGUL DT
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INDIAN ARMY SOL.TECH PHYSICS TEST -02

1. What is One Fermi equivalent to?

- a) 10^{-12} meter **b) 10^{-15} meter** c) 10^{15} meter d) None of these

2. ----- is a device which converts Light Energy into Electric Energy?

- a) Photo Cell** b) Kinetic Energy c) Wave length d) None of these

3. Permanent magnets are made of?

- a) Soft iron** b) Copper c) Nickel d) Steel

4. The equation of relation between force, mass and acceleration is?

- a) $a = mF$ b) $m = aF$ c) $ma = 1/F$ d) $ma = F$

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5. What is the unit of density in the SI units?

- a) Ergs b) Meter **c) Kg/M³** d) Joule

6. The temperature of a block of iron is 140° F. its temperature on the Celsius scale will be?

- a) 60°** b) 36° c) 72° d) None of these

7. The law applicable for determining the apparent change in frequency when a source and an observer are in motion is?

- a) Huygens law b) Galileo's law
c) Newton's law **d) Doppler's law**

8. By means of transformer what can be increased or decreased?

- a) AC voltage** b) DC voltage
c) Both AC and DC Voltage d) None of these

9. Delta is the unit of ?

- a) Magnetic Induction **b) Magnetic field**
c) Magnetic momentum d) None of these

10. Newton disk when rotated rapidly appears?

- a) Red b) Black c) Blue d) **White**

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