

INDIAN ARMY

Syllabus For Written Exam

TEST - 03

SOL.TECH



ESWAR ARMY AND POLICE COACHING CENTRE SEKKAPATTY BATLAGUNDU DINDIGUL DT
MOB : 9940719961 WHAT'S APP : 8526837318 YOUTUBE : ESWAR ARMY ACADEMY

INDIAN ARMY SOL.TECH PHYSICS TEST -03

1. Which planet has largest number of satellites?

- a) Jupiter **b) Saturn** c) Earth d) Mars

2. As the temperature of a liquid rises the surface tension?

- a) Increase b) Remains same
c) Will depend upon the nature of the liquid **d) Decrease**

3. When the gun is fired, it pushes back due to ?

- a) Conservation of Energy b) Gases stocks back
c) 3rd law of Newton d) 2nd law of Newton

4. If the distance between two objects is doubled, then what will be the effect on gravitational force between them?

- a) Double
b) Four times
c) Decreases to half
d) **One fourth**

5. Amount of heat needed to raise temperature of 1 kg water through 1°C is called?

- a) **Kilo calorie**
b) Calorie
c) B.T.U
d) Calorie/ C°

6. Process in which neither the heat is gained nor evolved is called?

- a) **Adiabatic**
b) Iso thermal
c) Thermodynamic
d) Entropy

7. Two balls of lead and aluminum having the same mass are heated to 100°C and then dropped on a block of ice, then?

a) The aluminum ball will melt much more ice than the lead ball

b) **The aluminum ball will melt much less ice than lead ball**

c) Both will melt the same amount of ice

d) Both will not melt any ice

8. If a bulb of 60 w is lighted for 4 hours every day for 30 days, then the energy consumed is?

- a) **7.2 kwh**
b) 7200 kwh
c) 720 kwh
d) 72 kwh

9. The amount of energy required to raise the temperature of 1 kg water through 1°C is 4200 J. kg^{-1} . this energy is called which energy of water?

- a) **Specific heat**
b) Evaporation heat
c) Latent heat
d) None of these

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10. The force which keeps the planet in regular orbit is?

- a) Electrostatic b) Magnetic **c) Gravitational** d) Nuclear

Website : <http://www.eswaracademy.com/>

You Tube:

<https://www.youtube.com/channel/UCX4o91WuOR2Q7y9a1b2gZWA/videos>

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