

DAY #53 of Mission CDSE of Vision Defence Institute

Physics

1. In optical instruments, the lenses are used to form image by the phenomenon of which of the following?

- a) Reflection
- b) Refraction
- c) Scattering
- d) Diffusion

2. A device which is used in our TV set, computer, radio set for storing the electric charge is

- a) Resistor
- b) Inductor
- c) Capacitor
- d) Conductor

3. Ohm's law defines for

- a) Resistance
- b) Current only
- c) Voltage only
- d) Both current and voltage

4. When a soap bubble is charged, which one of the following happens?

- a) Its radius increases
- b) Its radius decreases
- c) Its radius remains constant
- d) It collapses

5. The unit of radioactivity is which one of the following?

- a) Angstrom
- b) Curie
- c) Fermi
- d) Candela

6. We slip on a muddy road due to which one of the following?

- a) Gravitational forces
- b) Relative velocity
- c) Lack of friction
- d) Excess of friction

7. In a laser, all the atoms emit the light waves of

- a) Same frequency
- b) Same amplitude
- c) Same phase
- d) All of these

8. Which of the following elements is not a radioactive?

- a) Zirconium
- b) Uranium
- c) Radium
- d) Plutonium

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9. A mobile charger is which of the following?

- a) An invertor
- b) A UPS
- c) A step-down transformer
- d) A step-down transformer

10. The phenomenon of radioactivity was discovered by

- a) Marie Curie
- b) Pierre Curie
- c) Henry Becquerel
- d) JJ Thomson

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Current Affairs January 2020

1. Which state is the first in the country to implement agricultural land leasing policy?

- a) Gujarat
- b) Tamilnadu
- c) Uttarakhand
- d) West Bengal

2. Which defence forces of India has recently signed an MoU with Geological Survey of India?

- a) Indian Army
- b) Indian Navy
- c) Indian Air Force
- d) Indian Coast Guard

3. The National Bravery Awards for children are presented by which ministry annually?

- a) Ministry of Women and Child Development
- b) Ministry of Defence
- c) UNICEF
- d) Indian Council for Child Welfare

4. India's first ever convention centre in Africa was recently inaugurated in which African country?

- a) Libya
- b) Ghana
- c) Niger

d) Algeria

5. The second "Tejas Express", which was recently flagged off connects Mumbai with which of the following cities?

- a) Pune
- b) Hyderabad
- c) Ahmedabad
- d) Nagpur

6. The first edition of "Krishi Manthan" summit is being held in which state?

- a) Assam
- b) Tamilnadu
- c) Andhra Pradesh
- d) Gujarat

7. Which of the following Indian satellite has been recently launched from French Guiana?

- a) RISAT 2B
- b) GSAT 30
- c) GSAT 7A
- d) IRNSS 1H

8. Which of the following countries is to offer e-visa facility to Indian Tourist?

- a) Canada
- b) South Africa
- c) Kenya
- d) Ireland

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9. What is the name of the biggest Airborne Exercise recently conducted by the Indian Army?

- a) Him Vijay
- b) Dhruv Sakthi
- c) Winged Raider
- d) Yudh Abhiyas

10. The audio signals of TV are

- a) Amplitude modulated
- b) Frequency modulated
- c) Unmodified
- d) Velocity modulated

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