

## Day #42 Of 60 Mission CDSE of Vision Defence Institute

### Physics

**1. Which of the following is the cause of rainbow formation?**

- a) Refraction, reflection and dispersion.
- b) Refraction and dispersion.
- c) Refraction and scattering
- d) Diffraction and reflection

**2. Tesla is a standard unit of which of the following?**

- a) Magnetic flux density
- b) Magnetic Induction
- c) Magnetic field
- d) Magnetic moment

**3. Which type of mirror is used in the head lights of vehicles?**

- a) Plane mirror
- b) Concave mirror
- c) Convex mirror
- d) Parabolic mirror

**4. Heavy water is used in nuclear reactor as which of the following reasons?**

- a) Coolant
- b) Moderator
- c) Fuel
- d) Atomic smasher

**5. Which metals are used on fuse wire?**

- a) An alloy of tin and copper
- b) An alloy of tin and lead
- c) An alloy of tin and aluminium
- d) An alloy of nickel and chromium

**6. The device dynamo is used to convert:**

- a) Electrical energy into mechanical energy
- b) Electrical energy into heat energy
- c) Mechanical energy into electrical energy
- d) None of these

**7. Ball pen functions on the principle of**

- a) Lenz's law
- b) Surface tension
- c) Doppler effect
- d) Gravitational force

**8. Which of the following light rays are used for eliminating bacteria?**

- a) Alpha rays
- b) Infrared rays
- c) Ultraviolet radiation
- d) Microwave radiation

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9. Which device is used to measure the speed of wind?

- a) Altimeter
- b) Anemometer
- c) Calorimeter
- d) Chronometer

10. Which one of the following is used as sun glasses?

- a) Crooks glass
- b) Pyrex glass
- c) Crystal glass
- d) None of the above



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## **Day #42 Of 60 Mission CDSE of Vision Defence Institute**

### **Current Affairs December 2019**

**1. Which among the states has been topped in the good governance index in North East and Hill States?**

- a) Himachal Pradesh
- b) Uttarakhand
- c) Tripura
- d) Mizoram

**2. Which among the following Union Territory has been topped in the good governance index?**

- a) Puducherry
- b) Chandigarh
- c) Delhi
- d) Daman and Diu

**3. Which of the following states has launched the 'Nethanna Nestham' scheme?**

- a) Andhra Pradesh
- b) Telangana
- c) Odisha
- d) Madhya Pradesh

**4. Which among the following states will observe 2020 as Sushasan Sankalp Varsh?**

- a) Telangana
- b) Kerala
- c) Haryana
- (d) Karnataka

**5. Which country inducted first Avangard hypersonic missiles into service?**

- a) Russia
- b) France
- c) Japan
- d) Israel

**6. Where is the Headquarters of ISSF located?**

- a) Munich
- b) Rome
- c) Vienna
- d) Frankfurt

**7. Which state government launched two social welfare schemes 'Vijayamritham' and 'Sahachari' for differently-abled people?**

- a) Uttar Pradesh
- b) Madhya Pradesh
- c) Rajasthan
- (d) Kerala

**8. In which of the following districts will ISRO set up second launch for small satellite launch vehicle?**

- a) Thoothukudi, Tamil Nadu
- b) Kochi, Kerala
- c) Bengaluru, Karnataka
- d) Jaipur, Rajasthan

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9. In which city did the government of India has laid the foundation of National Disaster Response Force (NDRF) Academy?

- a) Dehradun
- b) Kolkata
- c) Mumbai
- d) Nagpur

10. Who has been declared by United Nation as “the most famous teenager in the world”-2019?

- a) Malala Yousafzai
- b) Nadia Murad
- c) Olga Tokarczuk
- d) Gita Gopinath



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