

## Day #48 Of 60 Mission CDSE of Vision Defence Institute

### Physics

**1. Which of the following instrument is used to study the laws of vibrating string?**

- a) Hydrometer
- b) Hygrometer
- c) Sonometer
- d) Electrometer

**2. Which device is used to measure the wavelength of X-rays?**

- a) Framing square
- b) Spectrometer
- c) Manometer
- d) SWR meter

**3. The unit of Plank's constant is:**

- a) JS
- b) J/S
- c) JS<sup>2</sup>
- d) None of these

**4. Stationary waves are formed by which of the following?**

- a) A transverse wave superposing a longitudinal wave.
- b) Two waves of the same speed superposing.
- c) Two waves of same frequency travelling in the same direction.
- d) Two waves of same frequency travelling in the opposite direction.

**5. In a filament type light bulb most of electric power consumed appears as:**

- a) LED light
- b) Infrared rays
- c) Ultraviolet rays
- d) Fluorescent light

**6. Which of the following is the purpose of using light?**

- a) Amplification
- b) Puification
- c) Modulation
- d) Demodulation

**7. What is the wavelength of visible spectrum?**

- a) 1300A<sup>0</sup>-3000 A<sup>0</sup>
- b) 3900 A<sup>0</sup>-7600A<sup>0</sup>
- c) 7800 A<sup>0</sup>-8000 A<sup>0</sup>
- d) 8500 A<sup>0</sup>-9800 A<sup>0</sup>

**8. According to special theory of relativity the mass of a particle is**

- a) Remains constant with increase in velocity.
- b) Increase with increase in velocity with respect to the observer.
- c) Decreases with increase in velocity.
- d) Decreases with decrease in velocity

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9. The field produced around a current carrying conductor is called as

- a) Electric field
- b) Electro-magnetic field
- c) Magnetic field
- d) Electrostatic field.

10. Cause of rainbow formation is formed by which one of the following?

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



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## **Day #48 Of 60 Mission CDSE of Vision Defence Institute**

### **Current Affairs December 2019**

**1. When was the citizenship act brought out in India?**

- a) 1956
- b) 1955
- c) 1957
- d) 1958

**2. Which of the following article of the Indian constitution empowers parliament to make any provision with respect to the acquisition and termination of citizenship and all other matters relating to citizenship?**

- a) Article 11
- b) Article 12
- c) Article 13
- d) Article 15

**3. Who is the New Chief of Indian Army?**

- a) Lt. General Manoj Mukund Naravane
- b) Lt. General Bipin Rawat
- c) Lt. General Devaraj Anbu
- d) None of the above

**4. Who among the following chaired the first meeting of the National Ganga Council in Kanpur, Uttar Pradesh?**

- a) Amit Shah
- b) Rajnath Singh
- c) Narendra Modi
- d) None of the above

**5. Which of the teams in the Indian Super League played in the history behind a closed door, that is with no audience?**

- a) North East United v/s Bengaluru FC
- b) North East United v/s Chennaiyin FC
- c) Chennaiyin FC v/s Bengaluru FC
- d) Bengaluru FC v/s North East United

**6. Bureau of Energy Efficiency organised the 29th National Energy Conservation Awards in which of the following city?**

- a) New Delhi
- b) Bangalore
- c) Mumbai
- d) Kanpur

**7. Which Nation will host 36th International Geological Congress in March 2020?**

- a) Bangladesh
- b) Russia
- c) China
- d) India

**8. Which Gram Panchayat in Tamil Nadu bagged best performance award for 100-day work programme for promoting livelihoods?**

- a) Vangadu Gram Panchayat
- b) Oragadam Gram Panchayat
- c) Nallur Gram Panchayat
- d) Baburmahal Gram Panchayat

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9. Which among the following is a national park located in the Indian state of Gujarat?

- a) Campbell Bay National Park
- b) Blackbuck National Park
- c) Dudhwa National Park
- d) Eravikulam National Park

10. Which of the following countries are engaged in the development of the Chabahar port?

- a) Iran
- b) Afghanistan
- c) India
- d) All of the above



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