

## Day #11 of 60 Mission CDSE of Vision Defence Institute

### CHEMISTRY

1. Who gave the theory of Relativity?

- a) Isaac Newton
- b) Archimedes
- c) Albert Einstein
- d) Galileo Galilei

2. What is the force that binds the neutrons and protons in a nucleus?

- a) Weak nuclear force
- b) strong nuclear force
- c) Electromagnetic force
- d) Gravitational force

3. Which of the following is not a valid conservation law of classical physics?

- a) Law of conservation of energy
- b) Law of conservation of current
- c) Law of conservation of angular momentum
- d) Law of conservation of charge

4. What is the change in the angular momentum of a system as per the law of conservation of Angular momentum, if the total external torque acting is zero?

- a) Remains constant
- b) Becomes zero

c) Increases exponentially

d) None of the above

5. How is the Power of lens is measured?

- a) Metre
- b) Dipole
- c) Lumen
- d) Watt

6. What is the S.I. unit of pressure energy?

- a) Nm
- b) Watt
- c) Joule
- d) No units

7. What happens when a ship floats on water?

- a) It displaces no water
- b) The mass of water displaced is equal to the mass of the ship
- c) The mass of water displaced is lesser than the mass of the ship
- d) The mass of water displaced is greater than the mass of the ship

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8. The speed of light in vacuum depends on which one of the followings?

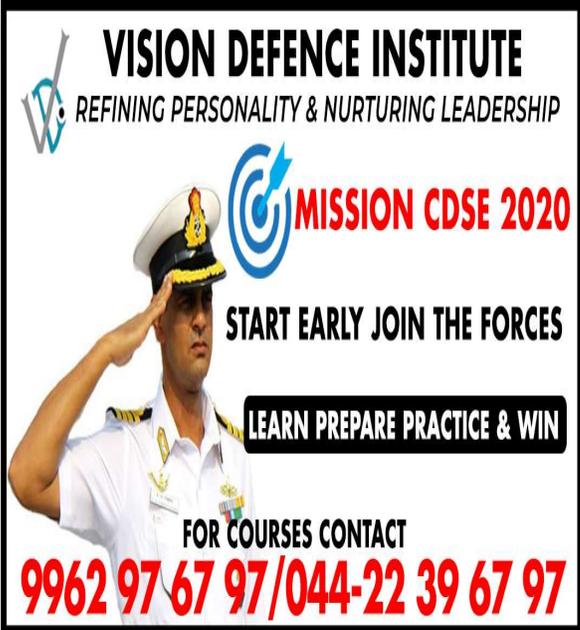
- a) Depends on its wavelength
- b) Depends on its frequency
- c) depends on its intensity
- d) Neither depend on its wavelength, frequency nor intensity

9. Which one of the following is not electromagnetic in nature?

- a) Cathode rays
- b) X-rays
- c) Gamma rays
- d) Infrared rays

10. Light travels slower in glass than in air because of which one of the following reasons?

- a) Refractive index of air is less than that of glass
- b) Refractive index of air is greater than that of glass
- c) Density of glass is greater than that of glass
- d) Density of glass is less than that of glass



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### Current Affairs August 2019

1. Which one of the followings is not correct about United Nations Convention to combat Desertification?

- a) To mitigate the effects of drought
- b) To maintain and restore land and soil productivity
- c) India became its signatory member in 1995
- d) It is the only legally binding international agreement to address problem of land degradation, desertification and land issues

2. Who among the following is India's first Woman "Director General of police"?

- a) Kanchan Chaudhary Bhattacharya
- b) Kiran Bedi
- c) Reema Rajeshwari
- d) Sonai Narang

3. Which one of the following is correct about "Peacock Parachute Spider"?

- a) It is a vulnerable spider
- b) It belongs to the genus Poecilotheria
- c) It is a known habitat in Western Ghats.
- d) It is commonly known as Ooty Tarantula

4. Which among the followings countries is the first to launch "Facial biometric" data-based identity document for seafarers?

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

5. Where was the 12<sup>th</sup> India security summit held?

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

6. Which of the following is not correct about 12<sup>th</sup> India security summit?

- a) It was organized by associated chambers of commerce and industry of India
- b) Theme: towards new national cyber security strategy
- c) It was held in Mumbai
- d) It is supported by Union ministry of Communication and Information technology

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7. Which one of the following country tests fired nuclear capable ballistic missile GHAZNAVI?

- a) Pakistan
- b) Russia
- c) France
- d) China

8. When is the National sports day celebrated?

- a) August 29<sup>th</sup>
- b) August 28<sup>th</sup>
- c) August 27<sup>th</sup>
- d) August 26<sup>th</sup>

9. When is the International day against nuclear test celebrated?

- a) August 29<sup>th</sup>
- b) August 28<sup>th</sup>
- c) August 27<sup>th</sup>
- d) August 26<sup>th</sup>

10. Who is the author of the book "Ace Against Odds"?

- a) Sania Mirza
- b) Saina Nehwal
- c) Mary Kom
- d) P T Usha



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