

MHT CET 2024 PCB April 27 Shift 2 Answer Key

1. The first member of the paschen series in hydrogen spectrum is of wavelength 18800 angstrom the short wavelengths limit of paschen series is

1.

$$7.49 \times 10^7$$

Answer:

2. A coil has resistance 30 ohm and inductive reactance 20 ohm at 50 Hz frequency if an AC source of 200 volt 100 Hz is connected across the coil the current in the coil will be

2.

Answer: $I = 4A$

3. Which of the following is ferromagnetic.

- A Zinc ρ
- B Copper ρ
- C Magnease ρ
- D Cromium ρ

3.

Answer: Chromium

4. Oxidation state of Fe in Fe_3O_4 is

Answer: 8/3

5. Which is the elastomer from the following?

Chloroprene → Neoprene.
Isoprene → Natural rubber.

Answer:

6. Find the solubility product of BaOH_2 ?
Where $(S=1.73 \times 10^{-14})$

Answer: 20.7×10^{-42}

7. A rocket of initial mass 6000kg ejects gases at a constant rate of 16 kg/s with constant relative speed of 11 km/s what is the acceleration of rocket one minute after the blast.

Answer: $a=34.92\text{ m/s}^2$

8. Convert 72 Degree Celsius to Fahrenheit.

Answer: 161.6 F

9. Three charges, each $-q$, are placed at the corners of an isosceles triangle ABC of sides BC, AC and AB. D and E are the midpoints of BC and CA. The work done in taking a charge Q from D to E is:

Answer: Work done is zero

10.

Mitral valve is also known as _____.

Answer: Bicuspid valve

11.

Menstrual blood is not clot due to presence of _____.

Answer: Fibrinolysins

12.

Lack of dopamine causes....

Answer: Parkinson's disease

