

CG PVPT Question Papers 2024

Q.1 Correct order of increasing heat conductivity among the following is

- A. Cu, Ag, Al
- B. Al, Cu, Ag
- C. Al, Ag, Cu
- D. None of the above

Q.2 When impurities are mixed in a material, then its elasticity-

- 1. sometimes increases
- 2. sometimes decreases
- 3. remains constant
- 4. remains unaffected

Choose correct answer

- A. (I) & (III) only
- B. (II) & (IV) only
- C. (I) & (II) only
- D. (III) & (IV) only

Q.3 In street light, the mirror used as a reflector is

- A. Plane
- B. Concave
- C. Convex
- D. None of the above

Q.4 On the Celsius scale, absolute zero temperature is

- A. 0°C
- B. -273°C
- C. -273.16°C
- D. 100°C

Q.5 The characteristics of a wave which is independent of other characteristics is

- A. frequency
- B. amplitude
- C. speed
- D. Wavelength



Q.6 Energy is not carried by

- A. transverse progressive wave
- B. longitudinal progressive wave
- C. stationary wave
- D. electromagnetic wave

Q.7 One horse power is equal to

- A. 74.6 Watts
- B. 746 Watts
- C. 7460 Watts
- D. 74600 Watts

Q.8 Light year is the unit of

- A. Time
- B. Distance
- C. Speed
- D. Intensity of light

Q.9 Interference occurs

- 1. in longitudinal waves
- 2. in transverse waves
- 3. in electromagnetic waves
- 4. in sound waves

Choose the correct answer

- A. (I)
- B. (I) & (II)
- C. (I), (II) & (III)
- D. (I), (II), (III) & (IV)

Q.10 Dispersion occurs in-

- 1. concave mirror
- 2. concave lens
- 3. convex lens
- 4. Prism

Choose the correct answer



- A. (I), (II) & (III)
- B. (I), (II) & (IV)
- C. (II), (III) & (IV)
- D. (I), (III) & (IV)

Q.11 Which are the fundamental units among the following?

- 1. Ampere
- 2. Candela
- 3. Newton
- 4. Kelvin

Correct answer is

- A. (I) & (III)
- B. (II) & (III)
- C. (III) & (IV)
- D. (I), (II) & (IV)

Q.12 If the net force on a body is zero, then its acceleration will

- A. Increase
- B. decrease
- C. be zero
- D. be none of the above



Q.13 Potential energy on compressing a metal

- A. Increases
- B. Decreases
- C. remains constant
- D. becomes infinite

Q.14 Meaning of zero time is

- A. Watch is stopped
- B. There is 12 O'clock in the watch.
- C. Initial moment in the study of motion
- D. Where the time ends

Q.15 Mean kinetic energy of molecules of a gas depends on

- A. the nature of the gas
- B. the absolute temperature

- C. the volume of the gas
- D. none of the above

