LIGHT, HEAT, THERMODYNAMICS, WAVE MOTION, SOUND, OPTICS & OSCILLATIONS BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

For All Competitive SSC, Bank, IBPS, UPSC, Railway, IT & Other Govt. Exams

Created By Careericons Team

Q1. Assertion (A):

A piece of copper and a piece of glass are heated to the same temperature. When touched, thereafter the copper piece appears hotter than the glass piece.

Reason (R):

The desity of copper is more than that of glass.

Code

- a) Both (A) and (R) are true, but (R) is not the correct explanation of (A)
- b) (A) is true, but (R) is false
- c) Both (A) and (R) are true and (R) is the correct explanation of (A)
- d) (A) is false, but (R) is true

Q2. The minimum distance of clear vision for a normal healthy eye of human being is supposed to be

- a) 15 cm
- b) 10 cm
- c) 50 cm
- d) 25 cm

Q3. Assertion (A):

With the increase of temperature, the viscosity of glycerin increases.

Reason (R):

Rise of temperature increases kinetic energy of molecules.

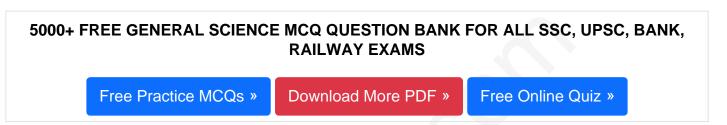
Code

a) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

- b) (A) is true, but (R) is false
- c) Both (A) and (R) are true and (R) is the correct explanation of (A)
- d) (A) is false, but (R) is true

Q4. Xeric condition refers to

- a) low humidity
- b) high evaporation
- c) low temperature
- d) extreme temperature



- **Q5.** A sound wave having certain frequency is incident on air-water surface. A part of it is reflected and other part is refracted into water. Then:
- a) the frequency of reflected wave will be more than frequency of refracted wave
- b) the reflected wave will travel faster than refracted wave
- c) the wavelength of refracted wave will be more than wavelength of reflected wave
- d) the frequency, wavelength and velocity of reflected and refracted waves will be same as that of incident wave
- **Q6.** A : At high altitude regions the cooking of food becomes difficult. B : Water boils at lower temperature when the pressure is low.
- a) A and B are correct and B is the correct explanation of A.
- b) Both A and B are wrong.
- c) A and B are correct and B is not the correct explanation of A.
- d) A is correct but B is wrong.

a) To increase the freezing point
b) To maintain constant temperature
c) To lower the temperature
d) To decrease the melting point
Q8. A biotechnique in which ultrasonic sound is used
a) E.C.G.
b) E.E.G.
c) Sonography
d) X-ray
Q9. 'The stars seem to be higher on the sky than they actually are'. This can be explained by
a) total internal reflection
b) atmospheric refraction
c) dispersion of light
d) diffraction of light
Q10. To keep drinks at the same temperature for quite sometime, the walls of thermos bottle are coated with
a) Lead Powder
b) Silver Layer
c) Aluminium Paint
d) Mercury Layer
Q11. Human eye is most sensitive to visible light of the wavelength

Q7. What is the function of the thermostat of a refrigerator?

a) 4500 Å
b) 5500 Å
c) 6050 Å
d) 7500 Å
Q12. Which one of the following statements is not true about cosmic rays?
a) They are made of highly energetic charged particles
b) They have very short wavelength
c) They are electromagnetic waves
d) They originate from the Sun
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Q13. The change of focal length of an eye lense is caused by action of the
a) Ciliary muscles
b) Retina
c) Pupil
d) Iris
Q14. For shaving, one uses
a) Convex mirror
b) Plain mirror
c) Concave mirror
d) None of the above
Q15. The gas used in discharge tubes for optical decoration and advertising is

a) Sulphur dioxide b) Ammonia c) Carbon dioxide d) Neon Read More light heat thermodynamics wave sound optics oscillation Question and Answes » Answers to the above questions: Q1. Answer: (a) Q2. Answer: (d) Q3. Answer: (d) 5000+ GENERAL SCIENCE MCQ TOPIC WISE MCQ QUESTION BANK WITH SOLVED **ANSWERS & FREE PDF** MEASUREMENT AND SI UNITS MEASURING DEVICES AND SCALES MECHANICS (MASS, FORCE, ACCELERATION, WORK, ENERGY, MOMENTUM, VELOCITY) FORCE OF GRAVITY, SOLIDS AND FLUIDS MOTION UNDER GRAVITY PHYSICAL PROPERTIES OF MATERIALS LIGHT, HEAT, THERMODYNAMICS, WAVE MOTION, SOUND, OPTICS & OSCILLATIONS ELECTRIC CURRENT AND MAGNETISM NUCLEAR PHYSICS AND CONDUCTIVITY MODERN AND SPACE PHYSICS, SOURCES OF ENERGY GENERAL CONCEPTS OF CHEMISTRY NATURE OF MATTER AND COMPOSITION ATOMIC STRUCTURE MOLECULES AND NUCLEAR CHEMISTRY

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Q4. Answer: (a)

Q5. Answer: (c)

We know that

speed = frequency × wavelength

We know that the speed of the sound waves in water is more than that of air. Hence option (c) is correct.						
Q6. Answer: (a)						
Q7. Answer: (b)						
Q8. Answer: (c)						
Q9. Answer: (b)						
Due to atmospheric refraction the twinkling of star, and their position appear higher than the normal.						
Q10. Answer: (b)						
Q11. Answer: (b)						
Q12. Answer: (c)						
Q13. Answer: (d)						

If the frequency is constant, then speed a wavelength

Q14. Answer: (c)		
Q15. Answer: (d)		

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