# 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. Match list I with list II and select the correct answer using the codes given below the lists.

List I	List II
A. Heat	1. 0°C
B. Temperature	2. Zero Kelvin
C. Temperature of melting ice	3. Sum of K.E. + P.E. of the molecules
D. Absolute zero temperature	4. Average K.E. of molecules

Choose the correct option from the codes given below:

a) A - 3, B - 4, C - 2, D - 1

b) 
$$A - 2$$
,  $B - 3$ ,  $C - 4$ ,  $D - 1$ 

c) 
$$A - 2$$
,  $B - 1$ ,  $C - 4$ ,  $D - 3$ 

d) 
$$A - 3$$
,  $B - 4$ ,  $C - 1$ ,  $D - 2$ 

**Q2.** Why is sound heard with more intensity through CO<sub>2</sub> than through the air?

- a) Density of CO2 is less than that of air
- b) Density of CO<sub>2</sub> is more than that of air
- c) Air is bad conductor of heat
- d) CO<sub>2</sub> is a compound, but air is a mixture of gases.

#### Q3. Decibel unit is used to measure

- a) Sound intensity
- b) Magnitude of earthquake

- c) Light intensity
- d) None of the above

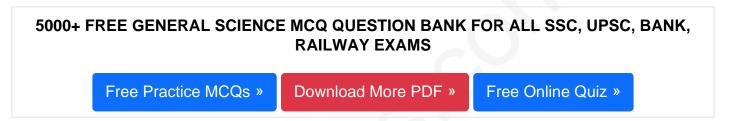
#### Q4. Assertion (A):

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 density of copper is more than that of glass.

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



Q5. Assertion and Reason are given below.

#### Assertion (A):

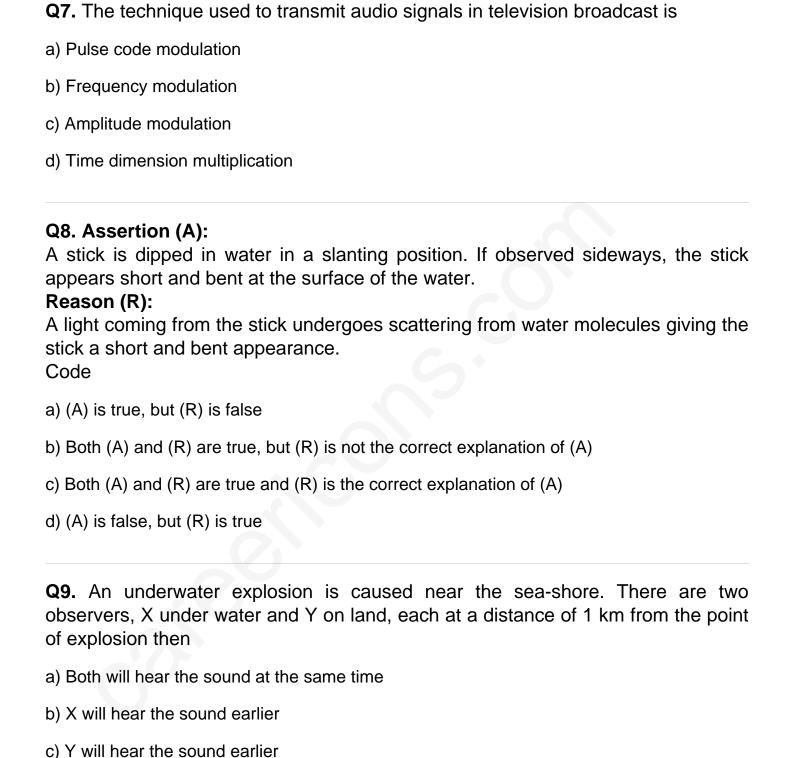
We prefer the white dress in winters.

#### Reason (R):

White dresses are good reflectors of heat.

Which one among these is the right answer.

- 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
- **Q6.** Which one of the following is used as an antifreeze for the automobile engines?
- a) Ethylene glycol



b) Methanol

c) Ethanol

d) Propyl alcohol

d) Y will not hear the sound at all

#### Q10. Assertion (A):

A piece of ice added to the drink, cools it.

#### Reason (R):

Ice takes latent heat from the drink for melting resulting in the cooling of the drink. Select the correct answer using the codes given below.

- 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

## **Q11.** Cloudy nights are warmer compared to clear cloudless nights, because clouds:

- a) reflect back the heat given off by earth
- b) prevent clod waves from the sky from descending on earth
- c) produce heat and radiate it towards earth
- d) absorb heat from the atmosphere and send it towards earth

#### Q12. An assertion and its reason is given below.

#### Assertion (A):

Salt is used for cooking the food at places on higher from sea level.

#### Reason (R):

Temperature is low in higher places.

Which one among these is right answer?

- 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

1000+ FREE LIGHT, HEAT, THERMODYNAMICS, WAVE MOTION, SOUND, OPTICS & OSCILLATIONS BASED QUESTIONS AND ANSWERS FOR ALL COMPETITIVE EXAMS

Free Practice MCQs »

Download More PDF »

Free Online Quiz »

Q13. The tolerable limit of noise for human being is around		
a) 85 decibel		
h) 125 decibel		

- c) 45 decibel
- d) 155 decibel

#### Q14. Television signals cannot be received beyond a certain distance because

- a) Air absorbs signals
- b) Antenna is weak
- c) Signals are weak
- d) The surface of the Earth is curved

#### Q15. Which of the following lens is used to minimize Myopia?

- a) Cylindrical lens
- b) Concave lens
- c) Convex lens
- d) None of the above

Read More light heat thermodynamics wave sound optics oscillation Question and Answes »

#### Answers to the above questions:

Q1. Answer: (d)

Heat is the total K.E. and P.E. of the molecules.

Water freezes at 0°C.

Absolute zero i.e., zero Kelvin temperature.

Q2. Answer: (b)

Q3. Answer: (a)

### 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

CLASSIFICATION OF ELEMENTS, CHEMICAL BONDING, PERIODICITY IN PROPERTIES & PHYSICAL TRANSFORMATION

METALS, NON METALS, MINERALS, ORES, PROPERTIES, USES

ALLOYS, CARBON & ITS VARIOUS FORMS, HYDROGEN & COMPOUNDS, SULPHUR, NITROGEN, HALOGEN & INERT GASES

ACIDS, BASES, SALTS AND METALS

HYDROCARBON, ALCOHOL, POLYMER, ORGANIC ACID AND EXPLOSIVE SUBSTANCE

FUEL, FOOD PRESERVATION, NUTRITION, MEDICINE, DETERGENTS AND FERTILIZERS

INORGANIC CHEMISTRY ORGANIC CHEMISTRY ENVIRONMENTAL CHEMISTRY

SOME IMPORTANT MAN MADE MATERIALS SUB DIVISIONS OF BIOLOGY

GENETICS, EVOLUTION OF LIFE & ECOLOGICAL BIODIVERSITY TAXONOMY

#### HEREDITY BIOFERTILIZER

BIOLOGICAL CLASSIFICATION CELL TISSUES AND DIVISION HUMAN ANATOMY

BLOOD TRANSPORT SYSTEM DIGESTION AND EXCRETION PHOTOSYNTHESIS

VITAMINS, NUTRITION, HEALTH, DISEASE AND TREATMENT

**ENDOCRINE GLANDS, HORMONES** 

PHYSIOLOGY OF PLANTS, HUMANS AND ANIMALS REPRODUCTION

FOOD PRODUCTION BIOLOGY IN HUMAN WELFARE

**ECOLOGY AND ENVIRONMENT AWARENESS** 

GENETIC ENGINEERING AND BIO TECHNOLOGY

GENETIC ENGINEERING AND BIG TECHNOLOGY	
Q4. Answer: (a)	
Q5. Answer: (d)	
Q6. Answer: (a)	
Q7. Answer: (b)	
Q8. Answer: (a)	
Q9. Answer: (b)	

Q10. Answer: (c)	
Q11. Answer: (a)	
Q12. Answer: (a)	
Q13. Answer: (a)	
Q14. Answer: (d)	
Q15. Answer: (b)	

On our site **Careerions.com**, You can find all the content you need to prepare for any kind of exam like. **Verbal Reasoning, Non-Verbal Reasoning, Aptitude, English, Computer, History, Polity, Economy, Geography, General Science, General Awareness** & So on. Make use of our expert-curated content to get an edge over your competition and prepare for your exams effectively.

Practice with our **Free Practice MCQs, Mock Tests Series, Online Quiz** and get an idea of the real exam environment. Keep track of your progress with our detailed performance reports. They are perfect for competitive exam preparation, as well as for brushing up on basic & fundamental knowledge. The questions are updated regularly to keep up with the changing syllabuses.