



## RRB NTPC Science Questions PDF

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### Instructions

For the following questions answer them individually

#### Question 1

In a hydro-power plant, which energy is converted into electrical energy ?

- A The potential energy of water stored in a tall reservoir
- B The chemical energy of water
- C The heat energy of water
- D The sound energy of water flow

Answer: A

#### Question 2

The world's first holographic screen phone has a holographic screen that produces 3-D visuals without needing special glasses.

- A Hydrogen One
- B Nitrogen One
- C Carbon One
- D Oxygen One

Answer: A

#### Question 3

Scientist's plan to build an elevator between Earth and the Moon to cut down on rocket fuel needed for a trip between the Earth and the Moon is known as:

- A Space Line
- B Space Lift
- C Space Elevator
- D Space Bridge

Answer: A

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#### Question 4

Why is nichrome alloy used for making heating elements of electrical appliances such as electric iron, toaster, etc.?

- A All the options
- B Nichrome does not burn easily
- C Nichrome does not undergo oxidation easily
- D Nichrome has high resistivity

Answer: A

**Question 5**

Which of the following sounds is pleasant to hear and is of rich quality?

- A Low pitch
- B Noise
- C High pitch
- D Music

**Answer: D**

**Question 6**

Which gas is used in LPG ?

**Answer: Butane and Propane**

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**Question 7**

Which device changes the alternating e.m.f. generated by the D.C. Generator in its armature coil to D.C. ?

- A Slip ring
- B Rectifier
- C Commutator
- D None of these

**Answer: C**

**Question 8**

Boyles law states that :

- A The pressure of a gas varies directly with temperature at constant volume i.e.  $P \propto T$ .
- B The product of pressure and volume of a given mass of a gas is constant at constant temperature i.e.  $PV = \text{constant}$ .
- C The volume of a gas varies directly with temperature at constant pressure i.e.  $V \propto T$ .
- D The pressure of a gas varies directly with volume at constant temperature i.e.  $P \propto V$ .

**Answer: B**

**Question 9**

The thermal diffusivity of a substance is given by :

- A  $\frac{K_p}{C}$
- B  $\frac{K}{p^C}$
- C  $\frac{KC}{p}$

D  $\frac{p^c}{K}$



Answer: E

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### Question 10

The scientist who invented the lift is?

- A Elisha Otis
- B Edison
- C William Gas Cugin
- D None of these

Answer: A

### Explanation:

The scientist who invented the lift is Elisha Otis

### Question 11

What is the Green Color in the Fireworks?

Answer: Barium

### Question 12

Burning of fossil fuels causes increased amounts of carbon dioxide in atmosphere and what is the name of the harmful effect caused due to this?

- A Greenhouse effect
- B Chemical effect
- C Carbon effect
- D Pollution effect

Answer: A

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### Question 13

Which of the following works on the principle of "total internal reflection"?

- A mirror
- B camera
- C modem
- D optical fiber

Answer: D

Question 14

Cryogenic engines are used in

- A Atomic reactors
- B Rockets
- C Defrost Refrigerators
- D Doing research connected with superconductivity

Answer: B

Question 15

Which is the most ductile metal?

Answer: Platinum

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