



## RRB NTPC Physics uestions PDF

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### Instructions

For the following questions answer them individually

#### Question 1

What is the Absolute zero, temperature at which a thermodynamic system has the lowest energy, on the Celsius temperature scale ?

- A -273.15 °C
- B -200.15 °C
- C -220.15 °C
- D -173.15 °C

Answer: A

#### Question 2

What is the period of revolution of satellite revolving near the surface of the earth?

- A 1 hr 24min
- B 1 hr
- C 2 hr 24min
- D 3 hr 24min

Answer: A

#### Question 3

What is the power of concave lens?

- A Positive(+ve)
- B Negative(-ve)
- C Zero
- D None of these

Answer: D

#### Explanation:

The focal length of the concave lens is negative therefore it has a negative power.

**Question 4**

**When was Mahatma Gandhi assassinated?**

**Answer:** 30 January 1948

**Question 5**

**When a particle executing simple harmonic motion is at the extreme end then the velocity of particle is \_\_\_\_?**

- A Zero
- B Maximum
- C Minimum
- D Infinite

**Answer:** A

**Question 6**

**What are the examples of Newton's third law?**

- A Recoil of gun
- B Swimming
- C Motion of rocket
- D All of the above

**Answer:** D

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**Question 7**

**The voltage of the current generated in the power station is \_\_\_\_?**

- A > 22KV A.C.
- B < 22KV A.C.
- C > 22KV D.C.
- D < 22KV D.C.

**Answer:** A

**Question 8**

**Which of the following is true regarding Leclanche cell?**

- A The emf is 1.5 volt
- B Carbon rod acts as anode
- C Zinc rod acts as cathode
- D All of the above

**Answer: D**

**Question 9**

**Which waves require a medium to propagate?**

- A Electromagnetic Waves
- B Mechanical Waves
- C Neutral Waves
- D Medium Waves

**Answer: B**

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**Question 10**

**Which among the following are Scalar quantities?**

- A Mass
- B Volume
- C Speed
- D All of the above

**Answer: D**

**Question 11**

**Device used to measure the purity of milk is?**

- A Karatmeter

- B TDS meter
- C Hydrometer
- D Lactometer

**Answer: D**

**Question 12**

**Which among the following is a property of a Magnet?**

- A A Magnet attracts magnetic material towards itself
- B A magnet with a single pole does not exist
- C Unlike Poles attract each other
- D All of the above

**Answer: D**

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**Question 13**

**What is the SI unit of Atmospheric Pressure?**

- A Lumen
- B Gauss
- C Volt
- D Bar

**Answer: D**

**Question 14**

**Which of the following colour deviates the least when passing through a Prism?**

- A Violet
- B Green
- C Yellow

D Red

Answer: D

**Question 15**

Acceleration due to gravity is minimum at \_\_\_\_\_?

A Poles

B Equator

C Tropic Of Cancer

D Tropic Of Capricorn

Answer: B

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**Question 16**

The atoms of the elements having same difference between mass number and atomic number are called \_\_\_\_\_.

A Isobar

B Isotopes

C Isotones

D No option is correct.

Answer: C

**Question 17**

A body is initially moving with a velocity of 10 m/s. It undergoes an acceleration of 2 m/s<sup>2</sup> for 5 seconds. Find the displacement (in m) of this body in these 5 seconds.

A 25

B 37.5

C 50

D 75

Answer: D

**Question 18**

Ionic compounds \_\_\_\_\_.

- I. have high boiling point
- II. have high melting point
- III. conduct electricity in solution

- A Only I and II
- B Only I and III
- C Only II and III
- D All I, II and III

**Answer: D**

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**Question 19**

A body is initially moving with a velocity of 15 m/s. It undergoes an acceleration of  $4 \frac{m}{s^2}$  for 6 seconds. Find the displacement (in m) of this body in these 6 seconds.

- A 18
- B 162
- C 81
- D 36

**Answer: B**

**Question 20**

The instrument that measures the \_\_\_\_\_ is called an anemometer.

- A wind speed
- B pressure
- C humidity
- D rainfall

**Answer: A**

**Question 21**

Calculate the time period (in seconds) of a sound wave of wavelength 2m travelling with a speed of 250 m/s.

- A 500
- B 0.008
- C 0.016
- D 250

**Answer: B**

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**Question 22**

Air moves from the region where the air \_\_\_\_\_.

- A humidity is high to the region where the humidity is low
- B pressure is low to the region where the pressure is high
- C pressure is high to the region where the pressure is low
- D humidity is low to the region where the humidity is high

**Answer: C**

**Question 23**

What is the escape velocity of Earth?

- A 21.7 Km/s
- B 10.35 Km/s
- C 11.2 Km/s
- D 5.5 Km/s

**Answer: C**

**Question 24**

The temperature at which both Fahrenheit and centigrade scale having the same value is?

- A  $-20^{\circ}$



B  $-45^\circ$

C  $0^\circ$

D  $-40^\circ$

Answer: D

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### Question 25

What happens to the volume of water when it is heated from  $0^\circ\text{C}$  to  $4^\circ\text{C}$ ?

A Decreases

B Increases

C First decreases then increases

D First increases then decreases

Answer: C

### Question 26

An instrument which is used to measure the rotation speed of a shaft or disk, as in a motor or other machine is ?

A Tachymeter

B Tachometer

C Accelerometer

D Anemometer

Answer: B

### Question 27

When all Parallel incident rays reflected from a plane surface are not parallel it is called?

A Diffused Reflection

B Refraction

C Incident Ray

D Reflection

**Answer: A**

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### Question 28

The speed that a falling object obtains when the gravity and air resistance equalize on the object is called?

A Constant velocity

B Terminal velocity

C Critical velocity

D Viscous force

**Answer: C**

### Question 29

In a television picture tube, deflection is produced by?

A Temperature

B Electromagnetic field

C An electric field

D A magnetic field

**Answer: D**

### Question 30

Who discovered atom?

A J.J. Thompson

B John Dalton

C Ernest Rutherford

D James Chadwick

**Answer: B**

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### Question 31

If a body is dropped down from a building of certain height 'h' and another body is thrown up with a velocity 'u' from the ground, then they both meet after how much time?

- A H - U
- B H x U
- C U/H
- D H/U

**Answer: D**

### Question 32

Which of the following is not a vector quantity?

- A Momentum
- B Power
- C Temperature
- D Acceleration

**Answer: C**

### Question 33

The scientist who discovered Nitrogen is?

- A Daniel Rutherford
- B Joseph Louis Gay
- C Henning Brand
- D Lussac

**Answer: A**

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**Question 34**

**Who among the following is the American Physicist considered as the Father of the Atom Bomb?**

- A J Robert Oppenheimer
- B Hennig Brand
- C Alesandro Volta
- D Robert Boyle

**Answer: A**

**Question 35**

**The range of infrasonic sound is?**

- A More than 20 Hz
- B Equal to 20 Hz
- C Less than 20 Hz
- D None of the above

**Answer: C**

**Question 36**

**Who discovered canal rays?**

- A J.J. Thompson
- B Wilhelm Conrad Roentgen
- C Eugen Goldstein
- D Casimir Funk

**Answer: C**

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**Question 37**

**What is the SI unit of Friction?**

- A Maxwell

B Faraday

C Gauss

D Newton

**Answer: D**

**Question 38**

**If the temperature of a fluid is increased then viscosity?**

A Remains constant

B Increases

C Decreases

D Increases gradually

**Answer: C**

**Question 39**

**Convex lens is also called a**

A Converging lens

B Divergent lens

C Both a and b

D None of these

**Answer: A**

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**Question 40**

**What is the SI unit of Amount of substance?**

A Mole

B Ampere

C Second

D Kilogram

Answer: A

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