



Top-30 Physics Questions for RRB Group D PDF

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Instructions

For the following questions answer them individually

Question 1

What is found in frequency modulation?

- A Fixed frequency
- B Fixed Dimension
- C Change in frequency
- D change In dimension only

Answer: B

Question 2

The velocity of heat radiation in vacuum is?

- A Equal to the light
- B Less than that of light
- C Greater than that of light
- D Equal to that of sound

Answer: A

Question 3

of a material is defined as the minimum amount of the work necessary to remove a free electron from the surface of the material.

- A The electro-repulsive force
- B The coulomb factor
- C The power factor
- D The work function

Answer: D

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Question 4

Farad is unit of .

- A Capacitance
- B Reactance
- C Electric charge
- D Electric conductance

Answer: A

Question 5

What is the SI unit of Torque?

- A newton/meter
- B newton meter
- C newton second
- D newton/meter squared

Answer: B

Question 6

Rate of change of momentum is

- A Area
- B Pressure
- C Force
- D Velocity

Answer: C

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Question 7

Which mirror is used in the headlights of cars?

- A Semi-circular
- B Conical
- C Convex
- D Concave

Answer: D

Question 8

For what is Mohs scale used?

- A To measure brightness of a substance
- B To measure viscosity of a liquid
- C To measure elasticity of a material
- D To measure hardness of minerals

Answer: D

Question 9

Electrons in the highest energy level of an atom are called

- A valence protons
- B orbital protons
- C valence electrons
- D orbital electrons

Answer: C

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Question 10

Mars is theplanet from the Sun.

- A 2nd
- B 4th
- C 6th
- D 8th

Answer: B

Question 11

The unit of which physical quantity is not pascal?

- A Moment of inertia
- B Pressure
- C Stress
- D Young's modulus

Answer: A

Question 12

Physical quantities, which have _____ only and no _____ are called scalar quantities.

- A direction, magnitude
- B magnitude, direction
- C speed, velocity
- D velocity, speed

Answer: B

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Question 13

What is impulse equal to?

- A Change in momentum
- B Change in force
- C Change in velocity
- D Change in acceleration

Answer: A

Question 14

Which among the following is a vector quantity?

- A Heat
- B Angular momentum
- C Work
- D Time

Answer: B

Question 15

What is the unit of electric resistance?

- A Dyne
- B Pascal
- C Joule
- D Ohms

Answer: D

Question 16

Formula for distance is

- A speed x time
- B time / speed
- C speed x acceleration
- D velocity / speed

Answer: A

Question 17

Gravitational force is maximum at which of the following place?

- A At equator
- B At tropic of cancer

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C At tropic of Capricorn

D At poles

Answer: D

Question 18

The bending of light when it passes around a corner or a slit is due to _____.

A reflection

B refraction

C diffraction

D total internal reflection

Answer: C

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Question 19

Strait of Malacca separates which two land masses?

A Malay Peninsula and Indonesian Island of Sumatra

B Africa and Europe

C India and Sri Lanka

D North America and South America

Answer: A

Question 20

What is the SI unit of frequency?

A Newton

B Watt

C Farad

D Hertz

Answer: D

Question 21

The land mass of India has an area of _____ million square km.

A 1.28

B 2.28

C 3.28

D 4.28

Answer: C

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Question 22

What is the phenomenon which established the transverse nature of light ?

- A Reflection
- B Interference
- C Diffraction
- D Polarisation

Answer: D

Question 23

The complete form of 'IC' in electronics is

- A Internal circuit
- B Independent circuit
- C Integrated circuit
- D Inbuilt circuit

Answer: C

Question 24

0°K is equivalent to

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

Answer: B

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Question 25

General Dyer, who was responsible for Jallianwala Bagh massacre, was shot dead by?

- A Hasrat Mohini
- B Vir Savarkar
- C Udham Singh
- D Jatin Das

Answer: C

Question 26

A force may change _____ of an object.

- A speed
- B direction
- C shape
- D All options are correct

Answer: D

Question 27

It is difficult to walk on ice because of _____.

- A absence of friction
- B less inertia
- C more inertia
- D more mass

Answer: A

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Question 28

Heat is which component of habitat?

- A Biotic component
- B Abiotic component
- C Both Biotic and Abiotic component
- D Neither of the two components

Answer: B

Explanation:

Heat is the **abiotic component** of habitat.

=> Ans - (B)

Question 29

The frequency of sound waves can be expressed in :

- A Second
- B Cycle
- C Cycle per second
- D Metre per second

Answer: C

Question 30

Which of the following non-alcoholic beverages is known as the 'Queen Beverages'

- A Coffee
- B Tea
- C Cocoa
- D Cola

Answer: B

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