

200 GENERAL SCIENCE (Question Asked in RRB Group-D 2018)

S.NO.	QUESTION	ANSWER
1.	The ratio of the mass of hydrogen to the mass of oxygen is always _____.	1 : 8
2.	The force of gravity acting on an object is also known as _____.	Weight
3.	How many water molecules are present in one molecule of washing soda?	10
4.	The flexibility in plants is due to _____	Collenchyma
5.	The fertilised egg, the zygote, gets implanted in the _____	Uterus
6.	Generally, the valency of electropositive elements is _____	1,2,3
7.	A type of reproduction in which a part of a plant body develops into a new individual is called _____	Vegetative propagation
8.	The media does sound travel the fastest?	Solids
9.	The exist in solid, liquid and gaseous forms?	Non-metals
10.	The hormone produced in plants due to which the stem bends towards sunlight is _____	Auxins
11.	How many moles of Sulphuric acid are present in 25 gms?	0.255
12.	Group _____ contain non-reactive gases?	18
13.	The force that a neutron exerts on a proton inside an atom is _____	Nuclear force

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14.	Sodium hydroxide reacts with _____ to form a solution of table salt.	Hydrochloric acid
15.	The angle between displacement and force applied when no work is done is ____	90°
16.	The _____ cells are loosely packed so that large intercellular spaces are found.	Parenchyma
17.	Waves produced at the bottom of the sea due to an explosion are _____.	Longitudinal
18.	The suffix attached to a hydrocarbon chain ending with a ketone is ____	–One
19.	The male germ cells are produced in the _____.	Testes
20.	The element with atomic number 57 belongs to:	D-block
21.	A body rolling down on a hill has:	Kinetic energy and potential energy
22.	9800 joule of energy was spent to raise a mass of 70 kg. The mass was raised to a height of :	14 m
23.	_____ is the rate of doing work.	Power
24.	After explosion of a shell, many pieces fly off in different directions. In such a case, what is conserved?	Momentum
25.	A chemical " _____ " is present in the cork cells to make them impervious to gases and water.	Suberin

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26.	Baking powder is a mixture of _____ and _____.	Sodium hydrogen carbonate, Tartaric acid
27.	The valency of chlorine with respect to oxygen is _____.	7
28.	Formula of calcium hydroxide is _____	Ca(OH) ₂
29.	Acetic acid 5-8% is	Circa
30.	The substances whose odour changes in acidic or basic media are called:	Olfactory indicators
31.	Coined the word 'atom'?	Democritus
32.	The product of force and displacement is called _____.	Work
33.	How many molecules are there in one atom of Copper.	$6.022 \times 10_{23}$
34.	The S.I unit of momentum is :	Kg-m/s
35.	In human beings, the fertilised egg gets implanted in the lining of:	Uterus
36.	The SI unit of acceleration is?	ms^{-2}
37.	Which acids give less H ⁺ ions when dissolved in water?	Acetic acid
38.	A force of 350 N acts on a body of mass 500 kg. So the acceleration of the body is _____.	0.7 ms^{-2}
39.	The work done by the force is positive when :	The displacement is in the direction of force

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40.	In negative acceleration, the velocity of the body:	Decreases
41.	Kinetic energy of an object and its potential energy are together called as :	Mechanical energy
42.	Valency of nitrogen in ammonia :	3
43.	_____ oxides react with acids as well as bases.	Amphoteric
44.	One kWh is equal :	3.6×10^6 J
45.	Approx mass earth is	
46.	The earth mass nearly	6×10^{24} kg
47.	Which hormone is released from the testes?	Testosterone
48.	The non-metal _____ is liquid at room temperature.	Bromine
49.	Sodium metal is stored in _____.	Kerosene
50.	The _____, also known as 'master gland', is an endocrine gland	pituitary
51.	How many molecules of water are present in one molecule of copper sulphate?	5
52.	What is the unit of force	Neutron
53.	_____ is used to connect parallel electric circuits.	Voltmeter
54.	_____ has only magnitude and no direction?	Work

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55.	_____ Is not an alkaline earth metal?	Potassium
56.	The chemical formula of Plaster of Paris is :	$\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$
57.	Involuntary actions including blood pressure, salivation and vomiting are controlled by the _____	Medulla
58.	_____ hormones is secreted by the pituitary to start the ovulation process?	Luteinising hormone
59.	A source produces 10 crests and 10 troughs in 0.1 second. What is the frequency of the wave produced?	100 Hz
60.	Lemon juice has a pH of.	2
61.	Human insulin is being commercially produced from a transgenic species of :	Escherichia
62.	Nip is related to Crush in the same way as Cold is related to :	Chilled
63.	The function of nervous tissues is to conduct messages:	Throughout the body
64.	A crucible used in laboratories to heat solids at a high temperature is made of :	Silicon
65.	Name the Group and Period of Modern Periodic Table in which Carbon is placed?	Second period and fourteenth group
66.	It is the product of power and time; its unit is W-s and KWH. What is it called?	Electrical energy

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67.	_____ is the change in velocity per unit time.	Acceleration
68.	The molecular mass of nitrogen is 28. Its atomic mass is 14. The atomicity of nitrogen is _____.	2
69.	Which elements combine to form Ammonia?	Hydrogen and Nitrogen
70.	Name the Indian Space Research Organisation's (ISRO's) first solar mission to take off in 2019 to study Sun.	Aditya L1
71.	_____ Combines with O_2 in our body to provide energy?	Glucose
72.	When the angle between the force and the displacement is 90° , the work done is _____	Zero
73.	The bonds formed by the elements having larger atoms are :	Very weak
74.	A current of 0.5 A is drawn by a filament for 10 minutes. Find the amount of electric charge that follows through the circuit.	300 C
75.	746 Watts is known as :	1 Horse power
76.	_____ will have maximum mass?	0.1 mole of NH_3
77.	_____ fills the space inside the organs and supports the internal organs and helps in repair of tissue.	Areolar
78.	_____ is a quantity that does NOT describe the nature of a wave.	Altitude

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79.	In the formula $F = GMm/d^2$, what is G called?	Universal gravitational constant
80.	Linear momentum is equal to	Mass \times velocity
81.	The common passage for food and air in human being is :	Pharynx
82.	An element has electronic configuration 2, 8, 6. It belongs to _____	16 group and 3 period
83.	A reaction in which one or more molecules of a substance are added across a double or triple bond is called:	Addition reaction
84.	Work can only be done when there is _____	Energy
85.	In longitudinal waves, the particles vibrate in a _____ direction of propagation.	Parallel
86.	_____ proposed that each element had a characteristics atomic mass.	Dalton
87.	Amphibians and most reptiles have :	Three-chambered heart
88.	_____ are called the amphibians of the plants kingdom	Bryophyta
89.	The atomic number of lanthanum is	57
90.	_____ has six carbon atoms and six hydrogen atoms.	Benzene
91.	One atomic mass unit (amu) is equal to:	1.6×10^{-27} kg
92.	_____ is not an electronic configuration of a metal?	2, 6

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93.	_____ is a physical change?	Water changes into ice
94.	In _____ allotrope, carbon atoms are arranged in the shape of a football.	C-60
95.	The work done by an object is 56J and the force exerted on it is 7N. Find the displacement.	8m
96.	How much current will an electric bulb draw from a 220 V source if the resistance of the bulb filament is 1200 Ω .	0.18 A
97.	A bullet, of mass 40g is horizontally fired with a velocity 180 ms^{-1} from a pistol of mass 3 kg. What is the recoil velocity of the pistol?	-2.4 ms^{-1}
98.	Sound is produced due to _____.	Vibration
99.	The full form of DNA is _____.	Deoxyribonucleic acid
100.	_____ determines the speed of sound in a medium.	Properties of the medium
101.	A current of 0.8A is drawn by a filament of an electric bulb for 3 minutes.	144
102.	What is the relation between frequency and time period?	$T = 1/\nu$
103.	If a plane flies a distance of 4000m with work done of 20000 J, then the force applied is:	5 N
104.	Cells of the collenchyma tissue are thickened at the corners with _____.	Cellulose and pectin

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105.	If the nucleus of an atom of an element contains 11 protons and 12 neutrons, then the mass number of the element is	23
106.	Gold is mixed with copper to:	Make gold hard
107.	The chemical formula of Sodium Carbonate is _____	Na_2CO_3
108.	'g' (Acceleration due to gravity) = ?	GM/R^2
109.	The relation between wave velocity 'v', frequency 'f', and wave length ' λ ' is _____	$v = f\lambda$
110.	An electric iron of 1250 W is used for 3 h per day. The energy consumed in one day by the electric iron is _____ units	3.75
111.	Find the energy possessed by an object of mass 13 kg when it is at a height of 5 m above the ground. Given $g = 9.8 \text{ ms}^{-2}$	637 J
112.	1 Coulomb/1s =	1 ampere
113.	The number of chromosomes in a human female germ cell is : _____.	23
114.	What are the constituents of bronze?	Cu + Sn
115.	If the pH value of a salt is 14, then it is a salt of _____.	Weak acid and strong base

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116.	A sound wave travels at a speed of 340 ms^{-1} . If its wavelength is 2 cm, what is the frequency of the wave?	17000 Hz
117.	What type of tissue makes up the husk of coconut?	Sclerenchymatous fibres
118.	The potential difference is 12 V and the work done is 60 J. Find the electric charge that flows through the circuit.	5C
119.	What is the correct order of the atomic sizes of the elements O, S and Se?	$\text{Se} > \text{S} > \text{O}$
120.	_____ forces is not electromagnetic in nature?	Weight of body
121.	_____ are comparatively poor conductors of heat.	Pb and Hg
122.	What is the value of the gas constant R?	$8.31 \text{ JK}^{-1} \text{ mol}^{-1}$
123.	A shell of mass 0.04 kg is fired by a gun of mass 120 kg. If the muzzle speed of the shell is 90 m/s, what is the recoil speed of the gun?	$3 \times 10^{-2} \text{ m/s}$
124.	The suffix attached to a hydrocarbon chain ending with a ketone is _____	-one
125.	How many moles of Sulphuric acid are present in 25 gms?	0.255
126.	The _____ cells are loosely packed so that large intercellular spaces are found.	Parenchyma
127.	_____ elements having the given atomic numbers have their chemical properties resembling magnesium?	4

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128.	The valency of chlorine with respect to oxygen is ____.	7
129.	The force that a neutron exerts on a proton inside an atom is	Nuclear force
130.	The element with atomic number 57 belongs to :	d-block
131.	Sodium hydroxide reacts with _____ to form a solution of table salt.	Hydrochloric acid
132.	9800 joule of energy was spend to raise a mass of 70 kg. The mass was raised to a height of	14 m
133.	_____ is the rate of doing work.	Power
134.	_____ compounds does not possess water of crystallisation?	Baking soda
135.	Sound waves with frequencies below the audible range are called:	Infrasonic
136.	5-8% of acetic acid is called :	Vinegar
137.	_____ hormones brings about changes in appearance seen in boys at the time of puberty?	Testosterone
138.	The correct formula of calcium hydroxide is :	Ca(OH)_2
139.	Who classified elements based on atomic numbers?	Moseley
140.	A chemical reaction in which heat is generated is called a/an_____.	Exothermic reaction

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141.	Electric bulbs are usually filled with chemically-inactive gases like _____.	Nitrogen
142.	_____ is not a simple permanent tissue?	Xylem
143.	_____ is malleable and ductile?	Copper
144.	The point where entire weight of an object acts is known as the _____.	Centre of gravity
145.	An electric bulb having voltage 240 V and current 0.6 A has a power of _____.	144 W
146.	The gravitational force of attraction between a satellite and the earth gives rise to _____.	Centripetal force
147.	The _____ acts as a food store in plant seeds.	Cotyledons
148.	Bifocal lenses are used by people suffering from _____.	Myopia and Hypermetropia
149.	_____ is the commercial unit of energy.	Kilowatt hour
150.	Clouds looking white in colour are due to the phenomenon of _____.	Scattering of light
151.	The walls of sclerenchyma cells are thickened due to _____.	Lignin
152.	An object is released from a certain height above the ground. Just at the time it touches the ground, it will possess _____.	Kinetic energy

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153.	What is the quantity of copper in 1 kg of alloy if the alloy contains 32% copper, 40% zinc and the rest is nickel?	320 g
154.	The molecular mass of O_2 is _____.	32
155.	1 Kwh is _____	36,00,000 J
156.	During the free fall of an object, which of the following energies increases at any point in its path?	Kinetic energy
157.	The kinetic energy of the particles is maximum in the case of _____.	Plasma
158.	Solder is an alloy of _____	Pb and Sn
159.	The elements present in any one group have the same _____.	Number of valence electrons
160.	Goitre is caused due to the deficiency of _____.	Iodine
161.	_____ tissue helps in the transportation of the material away from the photosynthesis parts of the plants?	Phloem
162.	A car is moving with a high speed. Which energy does it possess?	Kinetic energy
163.	_____ is used as a fuel in cars with petrol.	Ethanol
164.	An object travels northwards with a constant velocity. The net force acting on the object will be _____.	Zero

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165.	A source of 6 V maintains a current of 0.5 A in a resistor. The power supplied by the source to the resistor will be _____.	3.0 W
166.	As the pH value increases from 7 to 14, it represents:	An increase in the OH^- ion concentration
167.	The seed of a plant contains the future plant in the form of a/an_____.	Embryo
168.	_____ classification of elements is based on atomic numbers?	Modern periodic table
169.	Which element has the maximum melting and boiling point?	Tungsten
170.	A boy, of mass 50 kg, runs up a staircase of 40 steps in 10s. If the height of each step is 15 cm, find his power. Take $g = 10 \text{ ms}^{-2}$.	300 W
171.	A body of mass 1 kg is moved towards East with a uniform speed of 2 m/s. A force of 1.5 N is applied to it towards North. The magnitude fo displacement of body after 2 seconds is :	5 m
172.	A non-vascular plant is	Chara
173.	The word 'mole' was introduced around 1896 by:	Wilhelm Ostwald
174.	The energy possessed by an object because of its position or shape is called _____.	Potential Energy

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175.	Pollination is a characteristic of plants from the group :	Angiosperm
176.	The mass of object on the Earth is 60 Kg. What is its mass on the Moon?	60 Kg
177.	Group 1 elements are called _____.	Alkali metals
178.	How much work is done in moving a charge of 5 C across two points having a potential difference of 14 V?	70 J
179.	Find the potential difference when the current is 10 A and the resistance is 50 ohms.	500 V
180.	The SI unit of Momentum is _____	Kg ms ⁻¹
181.	When an object is ____ of a convex lens, the nature of the image is enlarged, virtual and erect	Between F1 and O
182.	At what temperature can water be in both, liquid and gaseous state?	100°C
183.	_____ is not a photochemical reaction.	Synthesis of ammonia from nitrogen and hydrogen
184.	New individual develops from buds:	Hydra
185.	The SI unit of resistivity is :	Ohm m
186.	_____ tissue is composed of dead cells.	Sclerenchyma

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187.	_____ is known as study of fossils.	Paleontology
188.	The pH value of a neutral solution is:	7
189.	The energy possessed by an object of mass 10 kg, when it is at a height of 6m above the ground, is _____ (take $g = 9.8 \text{ ms}^{-2}$)	588 J
190.	The phloem in the plants does the function of :	Conduction of food
191.	_____ are electropositive in nature.	Metals
192.	_____ is not an allotropic form of carbon.	Coal
193.	The product of mass and acceleration = _____	Force
194.	The product of Mass and Velocity is called _____.	Momentum
195.	A battery of 12V is connected in series with resistors of 0.2 ohm, 0.3 ohm, 0.4 ohm, 0.5 ohm and 12 ohm. How much current would flow through the 0.3 ohm resistor?	0.895 A
196.	A catalyst is a substance that :	Speeds up the reaction
197.	The development of a child inside the mother's (in case of human beings) body takes approximately _____ months.	9
198.	The SI unit of pressure is:	Pascal
199.	_____ is present in the lining of kidney tubules.	Cuboidal Epithelium
200.	What is the use of ultrasonography?	It is used to monitor the growth of a foetus inside the mother's womb