

**SSLC SCIENCE TRUE/FALSE -- CLASS TEST-QP.****N.SRIRAM,SSPGHSS,KUMBAKONAM.9150655508.**[www.Padasalai.Net](http://www.Padasalai.Net)**SSLC SCIENCE TRUE/FALSE -- CLASS TEST-QP.1.****N.SRIRAM,SSPGHSS,KUMBAKONAM.9150655508.**

State whether True or False. Correct the statements which are false

1	The linear momentum of a system of particles is always conserved.
2	Velocity of light is greater in denser medium than in rarer medium
3	For a given heat in liquid, the apparent expansion is more than that of real expansion
4	Ohm's law states the relationship between power and voltage.
5	Sound can travel through solids, gases, liquids and even vacuum.
6	Plutonium -239 is a fissionable material.
7	Two elements sometimes can form more than one compound.
8	Moseley's periodic table is based on atomic mass.
9	Solutions which contain three components are called binary solution.
10	Silver metal can displace hydrogen gas from nitric acid.
11	Phloem tissue is involved in the transport of water in plant.
12	An anticoagulant present in saliva of leech is called heparin.
13	The phloem is responsible for the translocation of food.
14	Dendrons are the longest fibres that conducts impulses away from the cell body.
15	A plant hormone concerned with stimulation of cell division and promotion of nutrient mobilization is cytokinin.
16	Stalk of the ovule is called pedicle.
17	A typical Mendelian dihybrid ratio of F <sub>2</sub> generation is 3:1.
18	The use and disuse theory of organs' was postulated by Charles Darwin.
19	<i>Raphano brassica</i> is a man-made tetraploid produced by colchicine treatment.
20	AIDS is an epidemic disease.

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State whether True or False. Correct the statements which are false

21	Biogas is a fossil fuel.
22	Apparent weight of a person is always equal to his actual weight.
23	The power of lens depends on the focal length of the lens
24	Thermal energy always flows from a system at higher temperature to a system at lower temperature.
25	MCB is used to protect house hold electrical appliances.
26	Waves created by Earth Quake are Infrasonic.
27	Elements having atomic number greater than 83 can undergo nuclear fusion.
28	Noble gases are Diatomic
29	Ionic radius increases across the period from left to right.
30	In a solution the component which is present in lesser amount is called solvent.
31	The pH of rain water containing dissolved gases like SO <sub>3</sub> , CO <sub>2</sub> , NO <sub>2</sub> will be less than 7.
32	The waxy protective covering of a plant is called as cuticle.
33	The vas deferens serves to transport the ovum.
34	Plants lose water by the process of transpiration.
35	Sympathetic nervous system is a part of central nervous system.
36	Gibberellins cause parthenocarpy in tomato.
37	Seeds are the product of asexual reproduction.
38	A recessive factor is altered by the presence of a dominant factor.
39	The homologous organs look similar and perform similar functions but they have different origin and developmental pattern.
40	The process of producing an organism with more than two sets of chromosome is called mutation.

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State whether True or False. Correct the statements which are false

41	Cancer causing genes are called Oncogenes.
42	Planting trees increases the groundwater level.
43	Weight of a body is greater at the equator and less at the polar region.
44	Increase in the converging power of eye lens cause 'hypermetropia'.
45	According to Charles's law, at constant pressure, the temperature is inversely proportional to volume.
46	The SI unit for electric current is the coulomb.
47	The velocity of sound is independent of temperature.
48	Nuclear fusion is more dangerous than nuclear fission.
49	The gram atomic mass of an element has no unit.
50	All ores are minerals; but all minerals cannot be called as ores.
51	Sodium chloride dissolved in water forms a non-aqueous solution.
52	At the equilibrium of a reversible reaction, the concentration of the reactants and the products will be equal.
53	In monocot stem cambium is present in between xylem and phloem.
54	The rabbit has a third eyelid called tympanic membrane which is movable.
55	The form of sugar transported through the phloem is glucose.
56	Hypothalamus is the thermoregulatory centre of human body.
57	Ethylene retards senescence of leaves, flowers and fruits.
58	Yeast reproduces asexually by means of multiple fission.
59	Each gamete has only one allele of a gene.
60	Birds have evolved from reptiles.

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State whether True or False. Correct the statements which are false

61	A group of plants produced from a single plant through vegetative or asexual reproduction are called a pureline.
62	Obesity is characterized by tumour formation.
63	Habitat destruction cause loss of wild life.
64	Turning a nut with a spanner having a short handle is so easy than one with a long handle.
65	The convex lens always gives small virtual image.
66	One unit of electrical energy consumed is equal to 1000 kilowatt hour.
67	The Velocity of sound is high in gases than liquids.
68	Natural uranium U-238 is the core fuel used in a nuclear reactor.
69	1 mole of Gold and Silver contain same number of atoms.
70	Al wires are used as electric cables due to their silvery white colour.
71	The molecular formula of green vitriol is $MgSO_4 \cdot 7H_2O$
72	Periodical removal of one of the products of a reversible reaction increases the yield.
73	Palisade parenchyma cells occur below upper epidermis in dicot root.
74	Diastema is a gap between premolar and molar teeth in rabbit.
75	In apoplastic movement the water travels through the cell membrane and enter the cell.
76	Cerebrum controls the voluntary actions of our body.
77	Exophthalmic goiter is due to the over secretion of thyroxine.
78	The part of the pistil which serves as a receptive structure for the pollen is called as style.
79	Hybrid is an offspring from a cross between genetically different parent.
80	Iron fortified rice variety determines the protein quality of the cultivated plant

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State whether True or False. Correct the statements which are false

81	In leukemia both WBCs and RBCs increase in number.
82	Nuclear energy is a renewable energy.
83	There is no gravity in the orbiting space station around the Earth. So the astronauts feel weightlessness.
84	The effective resistance of three resistors connected in series is lesser than the lowest of the individual resistances.
85	If a moderator is not present, then a nuclear reactor will behave as an atom bomb.
86	Molar mass of CO <sub>2</sub> is 42g
87	An alloy is a heterogenous mixture of metals.
88	When Silica gel is kept open, it absorbs moisture from the air, because it is hygroscopic in nature.
89	On dipping a pH paper in a solution, it turns into yellow. Then the solution is basic.
90	Mesophyll contains chlorophyll.
91	The cerebral hemispheres of rabbit are connected by band of nerve tissue called corpora quadrigemina.
92	When guard cells lose water the stoma opens.
93	In the central nervous system myelinated fibres form the white matter.
94	Pituitary gland is divided into four lobes.
95	Insect pollinated flowers are characterized by dry and smooth pollen.
96	Some of the chromosomes have an elongated knob-like appendages known as telomere.
97	Golden rice is a hybrid.
98	Study of cause of disease is called etiology.
99	Overgrazing prevents soil erosion.
100	During one nuclear fission on an average, 2 to 3 neutrons are produced.

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State whether True or False. Correct the statements which are false

101	Anaerobic respiration produces more ATP than aerobic respiration.
102	Initiation and stimulation of heart beat take place by nerves.
103	All the nerves in the body are covered and protected by meninges.
104	Estrogen is secreted by corpus luteum.
105	Sex organs produce gametes which are diploid.
106	New nucleotides are added and new complementary strand of DNA is formed with the help of enzyme DNA polymerase.
107	Bt gene from bacteria can kill insects.
108	AIDS is not transmitted by contact with a patient's clothes.
109	Poaching of wild animals is a legal act.
110	Einstein's theory of mass energy equivalence is used in nuclear fission and fusion.
111	All veins carry deoxygenated blood.
112	Cerebrospinal fluid provides nutrition to brain.
113	LH is secreted by the posterior pituitary.
114	Down's syndrome is the genetic condition with 45 chromosomes.
115	<i>In vitro fertilisation</i> means the fertilization done inside the body.
116	Type 2 diabetes mellitus results due to insulin deficiency.
117	National park is a protected park.
118	WBC defend the body from bacterial and viral infections.
119	Reflex arc allows the rapid response of the body to a stimulus.
120	Menstrual cycle ceases during pregnancy.

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State whether True or False. Correct the statements which are false

121	DNA fingerprinting technique was developed by Alec Jeffrey.
122	Carcinogens are cancer causing agents.
123	Wild life protection act was established in 1972.
124	The closure of the mitral and tricuspid valves at the start of the ventricular systole produces the first sound 'LUBB'.
125	Pons helps in regulating respiration.
126	Surgical methods of contraception prevent gamete formation.
127	Molecular scissors refers to DNA ligases.
128	Nicotine is a narcotic drug.
129	The increased level of estrogen and progesterone is responsible for menstruation.
130	Cirrhosis is associated with brain disorder.
131	The effective resistance of three resistors connected in parallel is greater than the lowest of the individual resistances.
132	During one nuclear fission on an average, 2 to 3 neutrons are produced.
133	Molar mass of CO <sub>2</sub> is 44g.
134	An alloy is a heterogenous mixture of metals.
135	The molecular formula of blue vitriol is MgSO <sub>4</sub> .7H <sub>2</sub> O.
136	Aerobic respiration produces more ATP than anaerobic respiration.
137	The cerebral hemispheres of rabbit are connected by band of nerve tissue called corpora quadrigemina.
138	All veins carry oxygenated blood.
139	All the nerves in the body are covered and protected by meninges.
140	Estrogen is secreted by Pituitary gland.

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