

SSLC SCIENCE FILL IN THE BLANKS ----TEST QP .1.	
N.SRIRAMAKRISHNAN,SSPGHSS,KUMBAKONAM..9150655508	
FILL IN THE BLANKS. MARKS=25	
1	To produce a displacement _____ is required
2	The path of the light is called as -----
3	The value of Avogadro number _____
4	The value of universal gas constant is _____
5	Rapid back and forth motion of a particle about its mean position is called -----.
6	One roentgen is equal to _____ disintegrations per second
7	Spontaneous process : Natural Radioactivity, Induced process : _____
8	Atoms of different elements having _____ mass number, but _____ atomic numbers are called isobars.
9	If the electronegativity difference between two bonded atoms in a molecule is greater than 1.7, the nature of bonding is _____
10	The component present in lesser amount, in a solution is called _____
11	A reaction between an acid and a base is called _____.
12	An atom or a group of atoms which is responsible for chemical characteristics of an organic compound is called _____.
13	The innermost layer of cortex in root is called _____.
14	The posterior sucker is formed by the fusion of the _____ segments.
15	_____ involves evaporative loss of water from aerial parts
16	.----- is the longest cell in our body
17	. _____ causes cell elongation, apical dominance and prevents abscission
18	The embryo sac in a typical dicot at the time of fertilization is _____.
19	The characters developed by the animals during their life time, in response to the environmental changes are called _____.
20	Economically important crop plants with superior quality are raised by _____.
21	Cirrhosis is caused in liver due to excessive use of _____
22	Communicable: AIDS: Non communicable: _____
23	Deforestation leads to _____ in rainfall
24	Passengers lean forward when sudden brake is applied in a moving vehicle. This can be explained by _____
25	The refractive index of a transparent medium is always greater than -----

<b>SSLC SCIENCE FILL IN THE BLANKS ----TEST QP .2.</b>	
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<b>FILL IN THE BLANKS. . MARKS=25</b>	
26	The temperature and heat are _____ quantities
27	The ratio of the potential difference to the current is known as _____.
28	If the energy in a longitudinal wave travels from south to north, the particles of the medium would be vibrating in _____
29	Positron is an_____.
30	Nuclear Fusion : Extreme temperature, Nuclear Fission : _____
31	Atoms of different elements having same number of _____ are called isotones.
32	_____ is the longest period in the periodical table.
33	Example for liquid in solid type solution is _____
34	When lithium metal is placed in hydrochloric acid, _____ gas is evolved.
35	The general molecular formula of alkynes is _____
36	Xylem and phloem occurring on the same radius constitute a vascular bundle called _____.
37	The existence of two sets of teeth in the life of an animal is called _____ dentition.
38	Water enters into the root hair cell through a _____ membrane.
39	Impulses travels rapidly in----- neurons.
40	_____ is a gaseous hormone involved in abscission of organs and acceleration of fruit ripening.
41	After fertilization the ovary develops into _____
42	Physical expression of a gene is called _____
43	The degenerated and non-functional organs found in an organism are called _____.
44	A protein rich wheat variety is _____.
45	A highly poisonous chemicals derived from tobacco is _____
46	Chemotherapy: Chemicals: Radiation therapy: _____
47	Removal of soil particles from the land is called _____.
48	By convention, the clockwise moments are taken as _____ and the anticlockwise moments are taken as _____
49	If the energy of incident beam and the scattered beam are same, then the scattering of light is called as ----- scattering.
50	One calorie is the amount of heat energy required to raise the temperature of _____ of water through _____.

<b>SSLC SCIENCE FILL IN THE BLANKS ----TEST QP .3.</b>	
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<b>FILL IN THE BLANKS. MARKS=25</b>	
51	The wiring in a house consists of _____ circuits
52	A whistle giving out a sound of frequency 450 Hz, approaches a stationary observer at a speed of 33 m s <sup>-1</sup> . The frequency heard by the observer is (speed of sound = 330 m s <sup>-1</sup> ) _____.
53	Anemia can be cured by _____ isotope
54	Increasing crops : Radio phosphorous, Effective functioning of heart : ____
55	Atoms of one element can be transmuted into atoms of other element by _____
56	_____ forms the basis of modern periodic table.
57	Solubility is the amount of solute dissolved in _____ g of solvent.
58	The equilibrium attained during the melting of ice is known as _____.
59	In IUPAC name, the carbon skeleton of a compound is represented by _____ (root word / prefix / suffix)
60	Glycolysis takes place in _____.
61	The anterior end of leech has a lobe-like structure called _____.
62	A change in the environment that causes an animal to react is called -----
63	_____ causes stomatal closure.
64	<i>Planaria</i> reproduces asexually by _____
65	The thin thread like structures found in the nucleus of each cell are called -----.
66	The forelimbs of bat and human are examples of _____ organs.
67	_____ is the chemical used for doubling the chromosomes.
68	Blood cancer is called _____.
69	Hypertension: Hypercholesterolemia: Glycosuria: _____
70	Chipko movement is initiated against _____
71	_____ is used to change the speed of car.
72	According to Rayleigh's scattering law, the amount of scattering of light is inversely proportional to the fourth power of its -----
73	According to Boyle's law, the shape of the graph between pressure and reciprocal of volume is -----.
74	The power of an electric device is a product of _____ and _____.
75	A source of sound is travelling with a velocity 40 km/h towards an observer and emits a sound of frequency 2000 Hz. If the velocity of sound is 1220 km/h, then the apparent frequency heard by the observer is _____.

<b>SSLC SCIENCE FILL IN THE BLANKS ----TEST QP .4.</b>	
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<b>FILL IN THE BLANKS. MARKS=25</b>	
76	Abbreviation of ICRP_____
77	Deflected by electric field : $\alpha$ ray, Null Deflection : _____
78	The sum of the numbers of protons and neutrons of an atom is called its_____
79	If the distance between two Cl atoms in Cl <sub>2</sub> molecule is 1.98Å, then the radius of Cl atom is-----.
80	The pH of a fruit juice is 5.6. If you add slaked lime to this juice, its pH _____ (increase/decrease)
81	(Saturated / Unsaturated) _____ compounds decolourize bromine water.
82	The source of O <sub>2</sub> liberated in photosynthesis is _____.
83	The blood sucking habit of leech is known as _____.
84	Normal blood pressure is _____.
85	.----- carries the impulse towards the cell body.
86	Gibberellins induce stem elongation in _____ plants.
87	Fertilization is _____ in humans.
88	DNA consists of two _____ chains.
89	The theory of natural selection for evolution was proposed by _____
90	The scientific process which produces crop plants enriched with desirable nutrients is called -----.
91	Less response of a drug to a specific dose with repeated use is called ____.
92	_____ is a biosphere reserve in Tamilnadu.
93	A man of mass 100 kg has a weight of _____ at the surface of the Earth.
94	Amount of light entering into the eye is controlled by -----
95	LED stands for _____.
96	_____ is used to measure exposure rate of radiation in humans.
97	Relative atomic mass is otherwise known as _____
98	Among the given species A <sup>-</sup> , A <sup>+</sup> , and A, the smallest one in size is ____.
99	Volume percentage decreases with increases in temperature because ----
100	The normal pH of human blood is _____

<b>SSLC SCIENCE FILL IN THE BLANKS ----TEST QP .5.</b>	
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<b>FILL IN THE BLANKS. MARKS=25</b>	
101	100 % pure ethanol is called _____
102	_____ spinal nerves are present in rabbit.
103	A neuron contains all cell organelles except -----
104	Calcium metabolism of the body is controlled by _____.
105	_____ is the first secretion from the mammary gland after child birth.
106	_____ technique made it possible to genetically engineer living organism.
107	Coal, petroleum and natural gas are called _____ fuels.
108	${}_Z Y^A \rightarrow {}_{Z+1} Y^A + X$ ; Then, X is _____
109	If a molecule is made of similar kind of atoms, then it is called _____ atomic molecule.
110	Across the period, ionic radii _____ (increases,decreases).
111	Electrolysis is type of _____ reaction.
112	Ethanoic acid turns _____ litmus to _____.
113	.----- maintains the constant pressure inside the cranium.
114	In the islets of Langerhans, beta cells secrete _____.
115	Prolactin is a hormone produced by _____
116	Restriction endonucleases cut the DNA molecule at specific positions known as _____.
117	_____ is the most commonly used fuel for the production of electricity.
118	${}_Z X^A \rightarrow {}_Z Y^A$ This reaction is possible in _____ decay.
119	The number of atoms present in a molecule is called its _____
120	_____ and _____ are called inner transition elements.
121	The number of products formed in a synthesis reaction is _____
122	The alkaline hydrolysis of fatty acids is termed as _____
123	----and----- increases the surface area of cerebrum.
124	The growth and functions of thyroid gland is controlled by _____.
125	Similar DNA fingerprinting is obtained for _____.



<b>SSLC SCIENCE FILL IN THE BLANKS ----TEST QP .6.</b>	
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<b>FILL IN THE BLANKS. MARKS=25</b>	
126	The average energy released in each fusion reaction is about _____ J.
127	One mole of any gas occupies _____ ml at S.T.P.
128	The chief ore of Aluminium is _____.
129	Chemical volcano is an example for _____ type of reaction.
130	Biodegradable detergents are made of _____(branched / straight) chain hydrocarbons.
131	The part of human brain which acts as relay center is ----- .
132	Decreased secretion of thyroid hormones in the children leads to _____.
133	_____ cells are undifferentiated mass of cells.
134	Nuclear fusion is possible only at an extremely high temperature of the order of ____ K.
135	Atomicity of phosphorous is _____
136	The chemical name of rust is _____.
137	The ion formed by dissolution of H <sup>+</sup> in water is called _____.
138	In gene cloning the DNA of interest is integrated in a _____.
139	The radio isotope of _____ helps to increase the productivity of crops.
140	If the radiation exposure is 100 R, it may cause _____.
141	Impulse is equals to -----.
142	The unit of 'g' is m s <sup>-2</sup> . It can be also expressed as -----.
143	One kilogram force equals to -----.
144	To project the rockets ---- and -----principle(s) is /(are) required.
145	Magnification of a convex lens is -----.
146	In a myopic eye, the image of the object is formed -----.
147	The value of universal gas constant -----.
148	Temperature is the average _____ of the molecules of a substance.
149	SI unit of resistance is --- and unit of resistivity is ----.
150	SI unit of conductance is --- and unit of conductivity is ----.

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FILL IN THE BLANKS. MARKS=25	
151	Kilowatt hour is the unit of ---- and its value is ----- J.
152	When a sound wave travels through air, the air particles -----.
153	The frequency, which is audible to the human ear is -----.
154	Man-made radioactivity is also known as _____
155	Unit of radioactivity is _____
156	Artificial radioactivity was discovered by _____
157	_____ isotope is used for the treatment of cancer.
158	_____ aprons are used to protect us from gamma radiations.
159	Proton - Proton chain reaction is an example of _____
160	In the nuclear reaction ${}_6X^{12} \alpha$ decay ${}_Z Y^A$ , the value of A = --- & Z = ----.
161	Kamini reactor is located at _____
162	Example for triatomic molecule is -----.
163	Mass of 1 mole of Nitrogen atom is -----.
164	The volume occupied by 4.4 g of CO <sub>2</sub> at S.T.P. -----.
165	In the nucleus of ${}_{20}\text{Ca}^{40}$ , there are -- protons and --- neutrons.
166	1 mole of any substance contains ____ molecules.
167	The number of periods and groups in the periodic table are ---- and -----.
168	The basis of modern periodic law is -----.
169	_____ group contains the member of halogen family.
170	-----_ is a relative periodic property.
171	Chemical formula of rust is _____.
172	In the alumino thermic process the role of Al is _____.
173	The process of coating the surface of metal with a thin layer of zinc is called _____.
174	_____ is an important metal to form amalgam.
175	Neon shows zero electron affinity due to _____.

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FILL IN THE BLANKS. MARKS=25	
176	A solution is a _____ mixture.
177	The number of components in a binary solution is ----.
178	----- is the universal solvent.
179	A solution in which no more solute can be dissolved in a definite amount of solvent at a given temperature is called -----.
180	A 25% alcohol solution means -----alcohol in ---- of water .
181	Photolysis is a decomposition reaction caused by _____
182	Rectified spirit is an aqueous solution which contains about of ethanol ----.
183	TFM in soaps represents _____ content in soap.
184	Casparian strips are present in the _____ of the root.
185	The xylem and phloem arranged side by side on same radius is called _____
186	Kreb's cycle takes place in -----.
187	In leech locomotion is performed by -----.
188	The segments of leech are known as -----.
189	Pharyngeal ganglion in leech is a part of -----.
190	The body of leech has ----- segments.
191	Mammals are ----- animals.
192	The animals which give birth to young ones are -----.
193	The wall of human heart is made of -----.
194	<b>'Heart of heart'</b> is called -----.
195	Bipolar neurons are found in -----.
196	The outer most of the three cranial meninges is -----.
197	The ----- neurons which carries impulse from the central nervous system to the muscle fibre.
198	Node of Ranvier is found in -----.
199	The hormone which has positive effect on apical dominance is - -----.
200	Avena coleoptile test was conducted by -----.



<b>SSLC SCIENCE FILL IN THE BLANKS ----TEST QP .9.</b>	
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<b>FILL IN THE BLANKS. MARKS=20</b>	
201	To increase the sugar production in sugarcanes ----- hormones are sprayed with.
202	LH is secreted by -----.
203	--- organ acts as both exocrine gland as well as endocrine gland.
204	----- is referred as “Master Gland”.
205	Syngamy results in the formation of _____.
206	The essential parts of a flower are _____
207	Estrogen is secreted by ----- .
208	The centromere is found at the centre of the ____ chromosome.
209	The _____ units form the backbone of the DNA.
210	The number of chromosomes found in human beings are ----- pairs of autosomes and ---- pair of allosomes.
211	The loss of one or more chromosome in a ploidy is called _____.
212	The ‘use and disuse theory’ was proposed by -----.
213	The term Ethnobotany was coined by -----.
214	Pusa Komal is a disease resistant variety of _____.
215	Himgiri developed by hybridisation and selection for disease resistance against rust pathogens is a variety of -----.
216	The miracle rice which saved millions of lives and celebrated its 50th birthday is -----.
217	DNA fingerprinting is based on the principle of identifying ---- ----- sequences of DNA.
218	Tobacco consumption is known to stimulate secretion of adrenaline. The component causing this could be -----.
219	World 'No Tobacco Day' is observed on -----.
220	----- type of cancer affects lymph nodes and spleen.
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