

SSLC SCIENCE CHOOSE THE CORRECT ANSWER ----TEST QP .1.	
N.SRIRAMAKRISHNAN,SSPGHSS,KUMBAKONAM..9150655508	
CHOOSE THE CORRECT ANSWER.WRITE ANSWER ALONG WITH OPTION.	
1	Inertia of a body depends on a) weight of the object b) acceleration due to gravity of the planet c) mass of the object d) Both a & b
2	The refractive index of four substances A, B,C and D are 1.31, 1.43, 1.33, 2.4 respectively. The speed of light is maximum in a) A b) B c) C d) D
3	The value of universal gas constant a) $3.81 \text{ J mol}^{-1} \text{ K}^{-1}$ b) $8.03 \text{ J mol}^{-1} \text{ K}^{-1}$ c) $1.38 \text{ J mol}^{-1} \text{ K}^{-1}$ d) $8.31 \text{ J mol}^{-1} \text{ K}^{-1}$
4	Which of the following is correct? a) Rate of change of charge is electrical power. b) Rate of change of charge is current. c) Rate of change of energy is current. d) Rate of change of current is charge.
5	When a sound wave travels through air, the air particles a) vibrate along the direction of the wave motion b) vibrate but not in any fixed direction c) vibrate perpendicular to the direction of the wave motion d) do not vibrate
6	Man-made radioactivity is also known as _____ a. Induced radioactivity b. Spontaneous radioactivity c. Artificial radioactivity d. a & c
7	Which of the following has the smallest mass? a. 6.023×10^{23} atoms of He b. 1 atom of He c. 2 g of He d. 1 mole atoms of He
8	The number of periods and groups in the periodic table are___. a) 6,16 b) 7,17 c) 8,18 d) 7,18
9	A solution is a _____ mixture. a. homogeneous b. heterogeneous c. homogeneous and heterogeneous d. non homogeneous
10	$\text{H}_2(\text{g}) + \text{Cl}_2(\text{g}) \rightarrow 2\text{HCl}(\text{g})$ is a a. Decomposition Reaction b. Combination Reaction c. Single Displacement Reaction d. Double Displacement Reaction

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11	The molecular formula of an open chain organic compound is C_3H_6 . The class of the compound is a. alkane b. alkene c. alkyne d. alcohol
12	Casparian strips are present in the _____ of the root. a) cortex b) pith c) pericycle d) endodermis
13	In leech locomotion is performed by a) Anterior sucker b) Posterior sucker c) Setae d)Contraction and relaxation of muscles.
14	Active transport involves a) movement of molecules from lower to higher concentration b) expenditure of energy c) it is an uphill task d) all of the above
15	Bipolar neurons are found in (a) retina of eye (b) cerebral cortex (c) embryo (d) respiratory epithelium
16	Gibberellins cause: a) Shortening of genetically tall plants b) Elongation of dwarf plants c) Promotion of rooting d) Yellowing of young leaves
17	The plant which propagates with the help of its leaves is a) Onion b) Neem c) Ginger d) Bryophyllum
18	According to Mendel alleles have the following character a) Pair of genes b) Responsible for character c) Production of gametes d) Recessive factors
19	Biogenetic law states that _____ a. Ontogeny and phylogeny go together b. Ontogeny recapitulates phylogeny c. Phylogeny recapitulates ontogeny d. There is no relationship between phylogeny and ontogeny
20	Which method of crop improvement can be practised by a farmer if he is inexperienced? a. clonal selection b. mass selection c. pureline selection d. hybridisation

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21	Tobacco consumption is known to stimulate secretion of adrenaline. The component causing this could be a) Nicotine b) Tannic acid c) Curcumin d) Leptin
22	Which of the following is / are a fossil fuel? i. Tar ii. Coal iii. Petroleum a) i only b) i and ii c) ii and iii d) i, ii and iii
23	Which software is used to create animation ? a) Paint b) PDF c) MS Word d) Scratch
24	Impulse is equals to a) rate of change of momentum b) rate of force and time c) change of momentum d) rate of change of mass
25	Where should an object be placed so that a real and inverted image of same size is obtained by a convex lens a) f b) 2f c) infinity d) between f and 2f
26	If a substance is heated or cooled, the change in mass of that substance is a) positive b) negative c) zero d) none of the above
27	SI unit of resistance is a) mho b) joule c) ohm d) ohm meter
28	Velocity of sound in a gaseous medium is 330 m s^{-1} . If the pressure is increased by 4 times without causing a change in the temperature, the velocity of sound in the gas is a) 330 m s^{-1} b) 660 m s^{-1} c) 156 m s^{-1} d) 990 m s^{-1}
29	Unit of radioactivity is _____ a. roentgen b. curie c. becquerel d. all the above
30	Which of the following is a triatomic molecule? a. Glucose b. Helium c. Carbon dioxide d. Hydrogen

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31	The basis of modern periodic law is_____. a) atomic number b) atomic mass c) isotopic mass d) number of neutrons
32	The number of components in a binary solution is _____ a. 2 b. 3 c. 4 d. 5
33	Photolysis is a decomposition reaction caused by _____ a. heat b. electricity c. light d. mechanical energy
34	The IUPAC name of an organic compound is 3-Methyl butan-1-ol. What type compound it is? a. Aldehyde b. Carboxylic acid c. Ketone d. Alcohol
35	The endarch condition is the characteristic feature of a) root b) stem c) leaves d) flower
36	The segments of leech are known as a) Metameres (somites) b) Proglottids c) Strobila d) All the above
37	Water which is absorbed by roots is transported to aerial parts of the plant through a) cortex b) epidermis c) phloem d) xylem
38	Site for processing of vision, hearing, memory, speech, intelligence and thought is (a) kidney (b) ear (c) brain (d) lungs
39	The hormone which has positive effect on apical dominance is: a) Cytokinin b) Auxin c) Gibberellin d) Ethylene
40	Asexual reproduction takes place through budding in _____ a) Amoeba b) Yeast c) Plasmodium d) Bacteria


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41	9 : 3 : 3 : 1 ratio is due to a) Segregation b) Crossing over c) Independent assortment d) Recessiveness
42	The 'use and disuse theory' was proposed by _____. a. Charles Darwin b. Ernst Haeckel c. Jean Baptiste Lamarck d. Gregor Mendel
43	Pusa Komal is a disease resistant variety of _____. a. sugarcane b. rice c. cow pea d. maize
44	World 'No Tobacco Day' is observed on a) May 31 b) June 6 c) April 22 d) October 2
45	What are the steps will you adopt for better waste management? a) reduce the amount of waste formed b) reuse the waste c) recycle the waste d) all of the above
46	All files are stored in the _____. a) Folder b) box c) Pai d) scanner
47	Newton's III law is applicable a) for a body is at rest b) for a body in motion c) both a & b d) only for bodies with equal masses
48	A small bulb is placed at the principal focus of a convex lens. When the bulb is switched on, the lens will produce a) a convergent beam of light b) a divergent beam of light c) a parallel beam of light d) a coloured beam of light
49	If a substance is heated or cooled, the linear expansion occurs along the axis of (a) X or -X (b) Y or -Y (c) both (a) and (b) (d) (a) or (b)
50	In a simple circuit, why does the bulb glow when you close the switch? a) The switch produces electricity. b) Closing the switch completes the circuit. c) Closing the switch breaks the circuit. d) The bulb is getting charged.

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51	The frequency, which is audible to the human ear is (a) 50 kHz (b) 20 kHz (c) 15000 kHz (d) 10000 kHz
52	Artificial radioactivity was discovered by _____ a. Becquerel b. Irene Curie c. Roentgen d. Neil's Bohr
53	The volume occupied by 4.4 g of CO ₂ at S.T.P a. 22.4 litre b.2.24 litre c. 0.24 litre d.0.1 litre
54	_____ group contains the member of halogen family. a) 17th b) 15 th c) 18th d) 16 th
55	Which of the following is the universal solvent? a. Acetone b. Benzene c. Water d. Alcohol
56	A reaction between carbon and oxygen is represented by $C(s) + O_2(g) \rightarrow CO_2(g) + \text{Heat}$. In which of the type(s), the above reaction can be classified? (i) Combination Reaction (ii) Combustion Reaction (iii) Decomposition Reaction (iv) Irreversible Reaction a. i and ii b. i and iv c. i, ii and iii d. i, ii and iv
57	The secondary suffix used in IUPAC nomenclature of an aldehyde is -----. a. - ol b. - oic acid c. - al d. - one
58	The xylem and phloem arranged side by side on same radius is called _ a) radial b) amphivasal c) conjoint d) None of these
59	Pharyngeal ganglion in leech is a part of a) Excretory system b) Nervous system c) Reproductive system d) Respiratory system
60	During transpiration there is loss of a) carbon dioxide b) oxygen c) water d) none of the above

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61	In reflex action, the reflex arc is formed by (a) brain, spinal cord, muscle (b) receptor, muscle, spinal cord (c) muscle, receptor, brain (d) receptor, spinal cord, muscle
62	Which one of the following hormones is naturally not found in plants: a) 2, 4-D b) GA3 c) Gibberellin d) IAA
63	Syngamy results in the formation of _____. a) Zoospores b) Conidia c) Zygote d) Chlamydo spores
64	The region of the chromosome where the spindle fibres get attached during cell division a) Chromomere b) Centrosome c) Centromere d) Chromonema
65	Paleontologists deal with a. Embryological evidences b. Fossil evidences c. Vestigial organ evidences d. All the above
66	Himgiri developed by hybridisation and selection for disease resistance against rust pathogens is a variety of _____. a. chilli b. maize c. sugarcane d. wheat
67	Cancer cells are more easily damaged by radiations than normal cells because they are a) Different in structure b) Non-dividing c) Mutated Cells d) Undergoing rapid division
68	The gas released from vehicles exhaust are i. carbon monoxide ii. Sulphur dioxide iii. Oxides of nitrogen a) i and ii b) i and iii c) ii and iii d) i, ii and iii
69	Which is used to build scripts? a) Script area b) Block palette c)stage d)sprite
70	Plotting a graph for momentum on the X-axis and time on Y-axis. slope of momentum- time graph gives a) Impulsive force b) Acceleration c) Force d) Rate of force

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71	Magnification of a convex lens is a) Positive b) negative c) either positive or negative d) zero
72	Temperature is the average _____ of the molecules of a substance a) difference in K.E and P.E b) sum of P.E and K.E c) difference in T.E and P.E d) difference in K.E and T.E
73	Kilowatt hour is the unit of ----.a) resistivity b) conductivity c) electrical energy d) electrical power
74	The velocity of sound in air at a particular temperature is 330 m s^{-1} . What will be its value when temperature is doubled and the pressure is halved? a) 330 m s^{-1} b) 165 m s^{-1} c) $330 \times \sqrt{2} \text{ m s}^{-1}$ d) $320 / \sqrt{2} \text{ m s}^{-1}$
75	In which of the following, no change in mass number of the daughter nuclei takes place i) α decay ii) β decay iii) γ decay iv) neutron decay a. (i) is correct b (ii) and (iii) are correct c (i) & (iv) are correct d (ii) & (iv) are correct
76	Mass of 1 mole of Nitrogen atom is a. 28 amu b.14 amu c. 28 g d.14 g
77	-----_ is a relative periodic property a) atomic radii b) ionic radii c) electron affinity d) electronegativity
78	A solution in which no more solute can be dissolved in a definite amount of solvent at a given temperature is called-----. a. Saturated solution b. Un saturated solution c. Super saturated solution d. Dilute solution
79	The chemical equation $\text{Na}_2\text{SO}_4(\text{aq}) + \text{BaCl}_2(\text{aq}) \rightarrow \text{BaSO}_4(\text{s})\downarrow + 2\text{NaCl}(\text{aq})$ represents which of the following types of reaction? a. Neutralisation b. Combustion c. Precipitation d. Single displacement
80	Which of the following pairs can be the successive members of a homologous series? a. C_3H_8 and C_4H_{10} b. C_2H_2 and C_2H_4 c. CH_4 and C_3H_6 d. $\text{C}_2\text{H}_5\text{OH}$ and $\text{C}_4\text{H}_8\text{OH}$

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81	Which is formed during anaerobic respiration a) Carbohydrate b) Ethyl alcohol b) Acetyl CoA d) Pyruvate
82	The brain of leech lies above the a) Mouth b) Buccal Cavity c) Pharynx d) Crop
83	Root hairs are a) cortical cell b) projection of epidermal cell c) unicellular d) both b and c
84	Dendrites transmit impulse cell body and axon transmit impulse cell body. (a) away from, away from (b) towards, away from (c) towards,towards (d) away from, towards
85	Avena coleoptile test was conducted by a) Darwin b) N. Smit c) Paal d) F.W. Went
86	The essential parts of a flower are _____ . a) Calyx and Corolla b) Calyx and Androecium c) Corolla and Gynoecium d) Androecium and Gynoecium
87	The centromere is found at the centre of the _____ chromosome. a) Telocentric b) Metacentric c) Sub-metacentric d) Acrocentric
88	The best way of direct dating fossils of recent origin is by a. Radio-carbon method b. Uranium lead method c. Potassium-argon method d. Both (a) and (c)
89	The miracle rice which saved millions of lives and celebrated its 50th birthday is a. IR 8 b. IR 24 c. Atomita 2 d. Ponni
90	Which type of cancer affects lymph nodes and spleen? a) Carcinoma b) Sarcoma c) Leukemia d) Lymphoma

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91	Soil erosion can be prevented by a) deforestation b) afforestation c) over growing d) removal of vegetation.
92	Which is used to edit programs? a) Inkscape b) script editor c)stage d)sprite
93	In which of the following sport the turning of effect of force used a) swimming b) tennis c) cycling d) hockey
94	A convex lens forms a real, diminished point sized image at focus. Then the position of the object is at a) focus b) infinity c) at 2f d) between f and 2f
95	In the Given diagram, the possible direction of heat energy transformation is  <p>a) A ← B, A ← C, B ← C b) A → B, A → C, B → C c) A → B, A ← C, B → C d) A ← B, A → C, B ← C</p>
96	If a sound wave travels with a frequency of 1.25×10^4 Hz at 344 m s^{-1} , the wavelength will be a) 27.52 m b) 275.2 m c) 0.02752 m d) 2.752 m
97	_____ isotope is used for the treatment of cancer. a. Radio Iodine b. Radio Cobalt c. Radio Carbon d. Radio Nickel
98	Which of the following represents 1 amu? a. Mass of a C – 12 atom b. Mass of a hydrogen atom c. 1/12th of the mass of a C – 12 atom d. Mass of O – 16 atom
99	Chemical formula of rust is _____. a) $\text{FeO} \cdot x\text{H}_2\text{O}$ b) $\text{FeO}_4 \cdot x\text{H}_2\text{O}$ c) $\text{Fe}_2\text{O}_3 \cdot x\text{H}_2\text{O}$ d) FeO
100	Identify the non aqueous solution. a. sodium chloride in water b. glucose in water c. copper sulphate in water d. sulphur in carbon-di-sulphide

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101	Which of the following statements are correct about a chemical equilibrium? (i) It is dynamic in nature (ii) The rate of the forward and backward reactions are equal at equilibrium (iii) Irreversible reactions do not attain chemical equilibrium (iv) The concentration of reactants and products may be different a. i, ii and iii b. i, ii and iv c. ii, iii and iv d. i, iii and iv
102	$C_2H_5OH + 3O_2 \rightarrow 2CO_2 + 3H_2O$ is a a. Reduction of ethanol b. Combustion of ethanol c. Oxidation of ethanoic acid d. Oxidation of ethanal
103	Kreb's cycle takes place in a) chloroplast b) mitochondrial matrix c) stomata d) inner mitochondrial membrane
104	The body of leech has a) 23 segments b) 33 segments c) 38 segments d) 30 segments
105	Which of the following process requires energy? a) active transport b) diffusion c) osmosis d) all of them
106	The outer most of the three cranial meninges is (a) arachnoid membrane (b) piamater (c) duramater (d) myelin sheath
107	To increase the sugar production in sugarcanes they are sprayed with _____ a) Auxin b) Cytokinin c) Gibberellins d) Ethylene
108	Anemophilous flowers have _____ . a) Sessile stigma b) Small smooth stigma c) Colored flower d) Large feathery stigma
109	The _____ units form the backbone of the DNA. a) 5 carbon sugar b) Phosphate c) Nitrogenous bases d) Sugar phosphate
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111	Which of the following is used to produce products useful to humans by biotechnology techniques? a. enzyme from organism b. live organism c. vitamins d. both (a) and (b)
112	Excessive consumption of alcohol leads to a) Loss of memory b) Cirrhosis of liver c) State of hallucination d) Suppression of brain function
113	A renewable source of energy is a) petroleum b) coal c) nuclear fuel d) trees
114	Where you will create category of blocks? a) Block palette b) Block menu c) Script area d) sprite
115	The unit of 'g' is $m\ s^{-2}$. It can be also expressed as a) $cm\ s^{-1}$ b) $N\ kg^{-1}$ c) $N\ m^2\ kg^{-1}$ d) $cm^2\ s^{-2}$
116	Power of a lens is $-4D$, then its focal length is a) 4m b) $-40m$ c) $-0.25\ m$ d) $-2.5\ m$
117	The sound waves are reflected from an obstacle into the same medium from which they were incident. Which of the following changes? a) speed b) frequency c) wavelength d) none of these
118	Gamma radiations are dangerous because a. it affects eyes & bones b. it affects tissues c. it produces genetic disorder d. it produces enormous amount of heat
119	Which of the following statement is incorrect? a. One gram of C – 12 contains Avogadro's number of atoms. b. One mole of oxygen gas contains Avogadro's number of molecules. c. One mole of hydrogen gas contains Avogadro's number of atoms. d. One mole of electrons stands for 6.023×10^{23} electrons
120	In the aluminothermic process the role of Al is _____. a) oxidizing agent b) reducing agent c) hydrogenating agent d) sulphurising agent

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122	$C_2H_5OH + 3O_2 \rightarrow 2CO_2 + 3H_2O$ is a a. Reduction of ethanol b. Combustion of ethanol c. Oxidation of ethanoic acid d. Oxidation of ethanal
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131	When pressure is increased at constant temperature the solubility of gases in liquid _____. a. No change b. increases c. decreases d. no reaction
132	A single displacement reaction is represented by $X(s) + 2HCl(aq) \rightarrow XCl_2(aq) + H_2(g)$. Which of the following(s) could be X. (i) Zn (ii) Ag (iii) Cu (iv) Mg. Choose the best pair. a. i and ii b. ii and iii c. iii and iv d. i and iv
133	Rectified spirit is an aqueous solution which contains about of ethanol ----. a. 95.5 % b. 75.5 % c. 55.5 % d. 45.5 %
134	Oxygen is produced at what point during photosynthesis ? a) when ATP is converted to ADP b) when CO ₂ is fixed c) when H ₂ O is splitted d) All of these
135	Mammals are _____ animals. a) Cold blooded b) Warm blooded c) Poikilothermic d) All the above
136	The wall of human heart is made of a) Endocardium b) Epicardium c) Myocardium d) All of the above
137	There are pairs of cranial nerves and pairs of spinal nerves. (a) 12, 31 (b) 31, 12 (c) 12, 13 (d) 12, 21
138	LH is secreted by a) Adrenal gland b) Thyroid gland c) Anterior pituitary d) Hypothalamus.
139	Male gametes in angiosperms are formed by the division of ____. a) Generative cell b) Vegetative cell c) Microspore mother cell d) Microspore
140	Okasaki fragments are joined together by _____. a) Helicase b) DNA polymerase c) RNA primer d) DNA ligase

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141	We can cut the DNA with the help of a. scissors b. restriction endonucleases c. knife d. RNAase
142	Coronary heart disease is due to a) <i>Streptococci</i> bacteria b) Inflammation of pericardium c) Weakening of heart valves d) Insufficient blood supply to heart muscles
143	Soil erosion is more where there is a) no rain fall b) low rainfall c) rain fall is high d) none of these
144	One kilogram force equals to a) 9.8 dyne b) 9.8×10^4 N c) 98×10^4 dyne d) 980 dyne
145	In a myopic eye, the image of the object is formed a) behind the retina b) on the retina c) in front of the retina d) on the blind spot
146	Velocity of sound in the atmosphere of a planet is 500 m s^{-1} . The minimum distance between the sources of sound and the obstacle to hear the echo, should be a) 17 m b) 20 m c) 25 m d) 50 m
147	_____ aprons are used to protect us from gamma radiations. a. Lead oxide b. Iron c. Lead d. Aluminium
148	The volume occupied by 1 mole of a diatomic gas at S.T.P is a. 11.2 litre b. 5.6 litre c. 22.4 litre d. 44.8 litre
149	The process of coating the surface of metal with a thin layer of zinc is called ----. a) painting b) thinning c) galvanization d) electroplating
150	Solubility of NaCl in 100 ml water is 36 g. If 25 g of salt is dissolved in 100 ml of water how much more salt is required for saturation _____. a. 12g b. 11g c. 16g d. 20g

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151	Which of the following is not an “element + element → compound” type reaction? a. $C(s) + O_2(g) \rightarrow CO_2(g)$ b. $2K(s) + Br_2(l) \rightarrow 2KBr(s)$ c. $2CO(g) + O_2(g) \rightarrow 2CO_2(g)$ d. $4Fe(s) + 3O_2(g) \rightarrow 2Fe_2O_3(s)$
152	Which of the following are used as anaesthetics? a. Carboxylic acids b. Ethers c. Esters d. Aldehydes
153	The animals which give birth to young ones are a) Oviparous b) Viviparous c) Ovoviviparous d) All the above
154	Which is the sequence of correct blood flow a) ventricle - atrium - vein – arteries b) atrium - ventricle - veins – arteries c) atrium - ventricle - arteries – vein d) ventricles - vein - atrium - arteries
155	The neurons which carries impulse from the central nervous system to the muscle fibre. (a) afferent neurons (b) association neuron (c) efferent neuron (d) unipolar neuron
156	Identify the exocrine gland a) Pituitary gland b) Adrenal gland c) Salivary gland d) Thyroid gland
157	What is true of gametes? a) They are diploid b) They give rise to gonads c) They produce hormones d) They are formed from gonads
158	The number of chromosomes found in human beings are ____. a) 22 pairs of autosomes and 1 pair of allosomes. b) 22 autosomes and 1 allosome c) 46 autosomes d) 46 pairs autosomes and 1 pair of allosomes.
159	rDNA is a a. vector DNA b. circular DNA c. recombinant of vector DNA and desired DNA d. satellite DNA
160	. Cancer of the epithelial cells is called a) Leukemia b) Sarcoma c) Carcinoma d) Lipoma

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CHOOSE THE CORRECT ANSWER.WRITE ANSWER ALONG WITH OPTION.	
161	An inexhaustible resources is a) wind power b) soil fertility c) wild life d) all of the above
162	The mass of a body is measured on planet Earth as M kg. When it is taken to a planet of radius half that of the Earth then its value will be ____kg. a) 4 M b) 2M c) M/4 d) M
163	The eye defect 'presbyopia' can be corrected by a) convex lens b) concave lens c) convex mirror d) Bi focal lenses
164	Which of the following statements is/are correct? i). α particles are photons ii). Penetrating power of γ radiation is very low iii). Ionization power is maximum for α rays iv). Penetrating power of γ radiation is very high a. (i) & (ii) are correct b. (ii) & (iii) are correct c. (iv) only correct d. (iii) & (iv) are correct
165	In the nucleus of ${}_{20}\text{Ca}^{40}$, there are a. 20 protons and 40 neutrons b. 20 protons and 20 neutrons c. 20 protons and 40 electrons d. 40 protons and 20 electrons
166	Which of the following have inert gases 2 electrons in the outermost shell. a) He b) Ne c) Ar d) Kr
167	A 25% alcohol solution means a. 25 ml alcohol in 100 ml of water b. 25 ml alcohol in 25 ml of water c. 25 ml alcohol in 75 ml of water d. 75 ml alcohol in 25 ml of water
168	Which of the following represents a precipitation reaction? a. $\text{A(s)} + \text{B(s)} \rightarrow \text{C(s)} + \text{D(s)}$ b. $\text{A(s)} + \text{B(aq)} \rightarrow \text{C(aq)} + \text{D(l)}$ c. $\text{A(aq)} + \text{B(aq)} \rightarrow \text{C(s)} + \text{D(aq)}$ d. $\text{A(aq)} + \text{B(s)} \rightarrow \text{C(aq)} + \text{D(l)}$
169	TFM in soaps represents _____ content in soap a. mineral b. vitamin c. fatty acid d. carbohydrate
170	A patient with blood group O was injured in an accident and has blood loss. Which blood group the doctor should effectively use for transfusion in this condition? a) O group b) AB group c) A or B group d) all blood group

SSLC SCIENCE CHOOSE THE CORRECT ANSWER ----TEST QP .18.	
N.SRIRAMAKRISHNAN,SSPGHSS,KUMBAKONAM..9150655508	
CHOOSE THE CORRECT ANSWER.WRITE ANSWER ALONG WITH OPTION.	
171	Which nervous band connects the two cerebral hemispheres of brain? (a) thalamus (b) hypothalamus (c) corpus callosum (d) pons
172	Which organ acts as both exocrine gland as well as endocrine gland a) Pancreas b) Kidney c) Liver d) Lungs
173	A single highly coiled tube where sperms are stored, get concentrated and mature is known as a) Epididymis b) Vasa efferentia c) Vas deferens d) Seminiferous tubules
174	The loss of one or more chromosome in a ploidy is called ----- . a) Tetraploidy b) Aneuploidy c) Euploidy d) polyploidy
175	DNA fingerprinting is based on the principle of identifying ---- ----- sequences of DNA a. single stranded b. mutated c. polymorphic d. repetitive
176	Metastasis is associated with a) Malignant tumour b) Benign tumour c) Both (a) and (b) d) Crown gall tumour
177	Common energy source in village is a) electricity b) coal c) biogas d) wood and animal dung
178	If the Earth shrinks to 50% of its real radius its mass remaining the same, the weight of a body on the Earth will a) decrease by 50% b) increase by 50% c) decrease by 25% d) increase by 300%
179	Which of the following lens would you prefer to use while reading small letters found in a dictionary? a) A convex lens of focal length 5 cm b) A concave lens of focal length 5 cm c) A convex lens of focal length 10 cm d) A concave lens of focal length 10 cm
180	Proton - Proton chain reaction is an example of _____ a. Nuclear fission b. α - decay c. Nuclear fusion d. β - decay

SSLC SCIENCE CHOOSE THE CORRECT ANSWER ----TEST QP .19.	
N.SRIRAMAKRISHNAN,SSPGHSS,KUMBAKONAM..9150655508	
CHOOSE THE CORRECT ANSWER.WRITE ANSWER ALONG WITH OPTION.	
181	The gram molecular mass of oxygen molecule is a. 16 g b. 18 g c. 32 g d. 17 g
182	Neon shows zero electron affinity due to _____. a) stable arrangement of neutrons b) stable configuration of electrons c) reduced size d) increased density
183	Deliquescence is due to _____ a. Strong affinity to water b. Less affinity to water c. Strong hatred to water d. Inertness to water
184	The pH of a solution is 3. Its [OH ⁻] concentration is a. 1×10^{-3} M b. 3 M c. 1×10^{-11} M d. 11 M
185	Which of the following statements is wrong about detergents? a. It is a sodium salt of long chain fatty acids b. It is sodium salts of sulphonic acids c. The ionic part in a detergent is $-\text{SO}_3^- \text{Na}^+$ d. It is effective even in hard water.
186	'Heart of heart' is called a) SA node b) AV node c) Purkinje fibres d) Bundle of His
187	Node of Ranvier is found in (a) muscles (b) axons (c) dendrites (d) cyton
188	Which one is referred as "Master Gland"? a) Pineal gland b) Pituitary gland c) Thyroid gland d) Adrenal gland
189	The large elongated cells that provide nutrition to developing sperms are a) Primary germ cells b) Sertoli cells c) Leydig cells d) Spermatogonia
190	Organisms with modified endogenous gene or a foreign gene are also known as (a) transgenic organisms (b) genetically modified (c) mutated (d) both a and b

SSLC SCIENCE CHOOSE THE CORRECT ANSWER ----TEST QP .20.	
N.SRIRAMAKRISHNAN,SSPGHSS,KUMBAKONAM..9150655508	
CHOOSE THE CORRECT ANSWER.WRITE ANSWER ALONG WITH OPTION.	
191	Polyphagia is a condition seen in a) Obesity b) Diabetes mellitus c) Diabetes insipidus d) AIDS
192	Green house effect refers to a) cooling of earth b) trapping of UV rays c)cultivation of plants d)warming of earth
193	To project the rockets which of the following principle(s) is /(are) required? a) Newton's third law of motion b) Newton's law of gravitation c) law of conservation of linear momentum d) both a and c
194	If V_B , V_G , V_R be the velocity of blue, green and red light respectively in a glass prism, then which of the following statement gives the correct relation? a) $V_B = V_G = V_R$ b) $V_B > V_G > V_R$ c) $V_B < V_G < V_R$ d) $V_B < V_G > V_R$
195	In the nuclear reaction ${}_6X^{12} \alpha$ decay ${}_ZY^A$, the value of A & Z. a. 8, 6 b. 8, 4 c. 4, 8 d. cannot be determined with the given data
196	1 mole of any substance contains _____ molecules. a. 6.023×10^{23} b. 6.023×10^{-23} c. 3.0115×10^{23} d. 12.046×10^{23}
197	_____ is an important metal to form amalgam. a) Ag b) Hg c) Mg d) Al
198	Which of the following is hygroscopic in nature? a. ferric chloride b. copper sulphate penta hydrate c. silica gel d. none of the above
199	Powdered CaCO_3 reacts more rapidly than flaky CaCO_3 because of -----. a. large surface area b. high pressure c. high concentration d. high temperature
200	Which one of the following regarding blood composition is correct a) Plasma - Blood + Lymphocyte b) Serum - Blood + Fibrinogen c) Lymph - Plasma + RBC + WBC d) Blood - Plasma + RBC+ WBC +Platelets

SSLC SCIENCE CHOOSE THE CORRECT ANSWER ----TEST QP .21.	
N.SRIRAMAKRISHNAN,SSPGHSS,KUMBAKONAM..9150655508	
CHOOSE THE CORRECT ANSWER.WRITE ANSWER ALONG WITH OPTION.	
201	Vomiting centre is located in (a) medulla oblongata (b) stomach (c) cerebrum (d) hypothalamus
202	Estrogen is secreted by a) Anterior pituitary b) Primary follicle c) Graffian follicle d) Corpus luteum
203	In a hexaploid wheat($2n = 6x = 42$) the haploid (n) and the basic(x) number of chromosomes respectively are a. $n = 7$ and $x = 21$ b. $n = 21$ and $x = 21$ c. $n = 7$ and $x = 7$ d. $n = 21$ and $x = 7$
204	Where does alcohol effect immediately after drinking? a) Eyes b) Auditory region c) Liver d) Central nervous system
205	A cheap, conventional, commercial and inexhaustible source of energy is a)hydropower b) solar energy c)wind energy. d) thermal energy
206	Kamini reactor is located at _____ a. Kalpakkam b. Koodankulam c. Mumbai d. Rajasthan
207	Which of the following is/are correct? i. Chain reaction takes place in a nuclear reactor and an atomic bomb. ii. The chain reaction in a nuclear reactor is controlled iii. The chain reaction in a nuclear reactor is not controlled iv. No chain reaction takes place in an atom bomb a. (i) only correct b. (i) & (ii) are correct c. (iv) only correct d. (iii) & (iv) are correct
208	Nerve cells do not possess (a) neurilemma (b) sarcolemma (c) axon (d) dendrites
209	A person who met with an accident lost control of body temperature, water balance, and hunger. Which of the following part of brain is supposed to be damaged? (a) Medulla oblongata (b) cerebrum (c) pons (d) hypothalamus
210	Which one of the following is an IUCD? a) Copper – T b) Oral pills c) Diaphragm d) Tubectomy

SSLC SCIENCE CHOOSE THE CORRECT ANSWER ----TEST QP .22.	
N.SRIRAMAKRISHNAN,SSPGHSS,KUMBAKONAM..9150655508	
CHOOSE THE CORRECT ANSWER.WRITE ANSWER ALONG WITH OPTION.	
211	Global warming will cause a)raise in level of oceans b)melting of glaciers c)sinking of islands d)all of these
212	Which of the following statement is wrong with respect to wind energy a)wind energy is a renewable energy b) the blades of wind mill are operated with the help of electric motor c) production of wind energy is pollution free d) usage of wind energy can reduce the consumption of fossil fuels
213	The product of mass and velocity of a moving body is defined as ---- a)force b)direction c)linear momentum d)inertia
214	The mean valu of acceleration due to gravity of earth is ---ms ⁻² . a)0.98 b)98 c)9.8 d)980
215	The mean valu of acceleration due to gravity of moon is ---ms ⁻² . a)16.25 b)1.625 c)9.8 d)98
216	Force=50N,distance of object=50cm.The moment of force ----. a)25Nm b)2.5Nm c)2500Nm d)250Nm
217	Mass of the earth is -----.a)5.972x10 ²⁴ Kg b) 59.72x10 ²⁴ Kg c) 5.972x10 ²³ Kg d) 5972x10 ²⁴ Kg
218	The weight of an object whose mass=50Kg in earth is -----. a)490N b)49N c)4900N d)500N
219	The weight of an object whose mass=70Kg in moon is -----. a)70N b)13.75N c)113.75N d)1137.5N
220	Velocity of a moving body of mass 10Kg whose linear momentum is 100 Kg m s ⁻¹ is -----.a)110 m s ⁻¹ b)1000 m s ⁻¹ c)0.1 m s ⁻¹ d)10 m s ⁻¹