

## श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, त्रिवेंद्रम, केरल-695 011 (एक राष्ट्रीय महत्व का संस्थान, विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार) SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY, TRIVANDRUM KERALA - 695 011

**Entrance Examination 2020- PG-Diploma in Neuro Technology** 

	Entrance Examination 2020-					
SL No	Question	Answer	OptionA	OptionB	OptionC	OptionD
1	World brain day celebrated as	Α	July 22	July 25	June 22	June 25
2	Which India –born scientist was awarded the Nobel prize in	D	Sir. C.V Raman	Satyendra	Vikram	Prof.Chandrash
	astrophysics?	U	Sii. C.V Kaiilali	Nath Bose	Sarabhai	ekhar
3	The splitting of white light into its constituent colors is called	С	Displacement.	Deviation.	Dispersion.	Refraction.
4	Which of the following quantity is constant for uniform circular motion	С	Velocity	Acceleration	Speed	Distance
5	For a body moving in a circular path with constant speed, the velocity	С	Zero	Constant	Changes	Remains Same
6	If density of a block is 981kg/m3 , it shall	С	Sink	Float	Float completely submerged in water	Float completely out of water
7	A spherical air bubble is embedded in a piece of glass. For a ray of light passing through the bubble, it behaves like a:	С	Converging lens	Plano- converging lens	Diverging lens	Plano- diverging lens
8	A moving body of mass 40 kg has 80 joules of kinetic energy, speed of body is	В	4 m/s	2 m/s	6 m/s	8 m/s
9	The motion of a particle of air, when sound wave passes through it is	Α	Periodic	Adiabatic	Isothermal	Oscillatory but not periodic
10	Transverse waves are produced in	D	Solids	Gases	Liquids	Both Solids and liquids
11	The intensity of loudness of sound is measured in unit of	С	Hertz	Volt	Decibel	Ampere
12	The vibrations which a human ear can perceive are called	D	Periodic	Ultrasonic	Infrasonic	Sonic
	·		Refraction of	Transmission	Reflection of	Interference of
13	The stesthescope used by doctors works on	С	sound	of sound	sound	sound
14	One joule is approximately equal to	Α	0.24 Cal	0.28 Cal	0.32 Cal	4.2 cal
15	Total internal refrlection can occur when light passes from	В	Air to water	Water to glass	Air to glass	Glass to water
16	The image of an object fored by a device is always virtual and small. The device may be	В	A glass plate	A concave mirror	A convex lens	A cncave lens
17	A cylindrical lens is used to correct	С	Presbiopia	Myopia	Astigmatism	Hypermetropia
18	The electric bulb draws 1.2A current at 6V. The resistance of the filament bulb is	В	2.5 ohm	5 ohm	7.2 ohm	20 ohm
19	An electric heater of resistance 20 ohm draws a current of 5A. The heat in 6 seconds will be developed will be	Α	3000J	15000J	1000J	300J
20	For making a strong electromagnet, the material of the core should be	Α	Soft iron	Steel	Brass	Laminated steel strips
21	The direction of induced current is obtained by	В	Flemings left hand rule	Flemings right hand rule	Ampere's rule	Maxwells core screw rule
22	If a bar magnet is cut into 4 pieces, the total number of poles will be	Α	8	6	4	2
23	The magnetic effect of electric current was discvered by	В	Maxwell	Oersted	Ampere	Volta
24	Which of the following facilitates sun drying of clothes?	В	Gamma rays	IR rays	UV rays	X-rays
25	Resolving power of a microscope depends upon	D	The apertures of the objective and the eye lens	The focal length and aperture of the eye lens	The focal length and objective of the eye lens	The wavelength of light illuminating the object
26	Which of the following is not a homogenous mixture?	В	Bronze	A mixture of O2 and He	Milk	A mixture of petrol and kerosene
27	The monoatomic gas among the following is	В	Hydrogen	Helium	Oxygen	Nitrogen
28	Identify the pure susbtance fom the following	Α	Molten sodium chloride	Sugar solution	Aqueous sodium chloride	10% H2SO4
29	No new substances are not formed in which of the following reactions?	С	Combustion	Neutralisation	Crystalisation	Digestion
30	Atomicity of magnesium is equal to the atomicity of	D	Bromine	Flourine	Sulphur	Krypton

What happens uring a diastole?  C Blood leaves ventricles heart he	31				1		
The kinetic energy of gas molecules decreases with  The radioactive isotope of hydrogen contains	31			Homogeneous	Homogenous	Heterogenous	heterogenous
Transparent l'arasparent l'aras		True solution is	Α	and	_	and	_
The kinetic energy of gas molecules decreases with a temperature temperature independent above of neutrons.  The radioactive isotope of hydrogen contains Number of neutrons.  Neutrons of neutrons.  Neutrons				transparent	and opaque	transparent	ana opaque
The kinetic energy of gas molecules decreases with a temperature temperature independent above of neutrons.  The radioactive isotope of hydrogen contains Number of neutrons.  Neutrons of neutrons.  Neutrons				Increase in	Decrease in	Temperature	None of the
The radioactive isotope of hydrogen containsNumber of neutrons of ne	32	The kinetic energy of gas molecules decreases with	В			•	
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of neutrons  The electron of an atom moves from its valence shell to K shell. It will  The electron of an atom moves from its valence shell to K shell. It will  Elatin name of pottasium is  Latin name of pottasium is  Latin name of pottasium is  Respiration is an example of  C Displacement reaction reaction reaction  The element which can be cut with a knife  A Pottasium Aluminium Magnesium Iron  The metal present in chlorophyll is  A Pottasium Aluminium Magnesium Iron  A Magnesium Iron  The metal present in chlorophyll is  B Dianond Graphite  C Managam is an alloy containing  D Nowton C Aluminium  Magnesium Mercury  Which of the following is likely to accumulate in dangerous  proportion in the blood of a person whose kidney is not working properly  The functional block of kidneys are  D Newton C Charles Darwin  Lysine Urea  A Megnesium Mercury  Michology is  Which of the following is likely to accumulate in dangerous  proportion in the blood of a person whose kidney is not working properly  The functional block of kidneys are  C C Charles Darwin  J Whath happens uring a diastole?  C C Charles Darwin  J Which law is also called law of mertia  B Water  C C Charles Darwin  J Which law is also called law of mertia  B Newton third  J Which law is also called law of mertia  B Newton third  J Which are a completed in the measure of light gathering capacity of the optical fibre is  Lectric motor converts  A Negaron  J Which are a completic sis  C C Clarles Darwin  J Which law is also called law of mertia  B Newton third  J Which are a completic sis  C C Clarles Darwin  J Which law is also called law of mertia  B Newton third  J Which are a completic sis  Lysine Water  J Which are a completic sis  Lysine Water  J Which are a completic sis  J What happens uring a diastole?  C C Callers Baloud cleaves  J Blood leaves  J Blood leaves	33		С	0	1	2	3
The electron of an atom moves from its valence shell to K shell. It will shell it will shell it will shell. It will shell shell it will shell it will shell shell it will shell shell it will shell shell shell it will shell shel							_
shell. It will  about name of pottasium is  believed the pottasium is  concurrence occurrence in the valence shell to K  shell. It will  be decreased the pottasium is  concurrence occurrence occurre	34	Neucleus was discvered by	D	J J Thomson	Neils Bohr		Rutherford
Shell, it will   B						Neither	
shell, it will  tatin name of pottasium is  tatin name of pottasium is  tatin name of pottasium is  to many oxygen atoms are there in 2 molecules of calcium  suphate  Respiration is an example of  Respiration is an example of reaction in reaction or reaction	35		В	Absorb energy	Release energy	absorb or	No change will
36		shell. It will	_	7.250.2 0.10.87	ricicuse cricigy	release	occur
37   Now many oxygen atoms are there in 2 molecules of calcium   B						energy	
Respiration is an example of C Displacement Endothermic reaction r	36		D	Plumbum	Stannum	Natrium	Kalium
sulphate 38 Respiration is an example of 39 Which of the following is an oxidising agent? 40 The element which can be cut with a kinfe 41 The metal present in haemoglobin is 42 The metal present in haemoglobin is 43 Allotrope of carbon used as a lubricant is 48 Bautize and cryolite are ore of 49 Bautize and cryolite are ore of 40 Managam and cryolite are ore of 41 Bautize and cryolite are ore of 42 Bautize and cryolite are ore of 43 Allotrope of carbon used as a lubricant is 44 Bautize and cryolite are ore of 45 Most abundant element on earth is 46 Amalgam is an alloy containing 47 Father of biology is 48 Oregon in the blood of a person whose kidney is not 49 Which of the following is likely to accumulate in dangerous 40 Which of the following is likely to accumulate in dangerous 41 The gradual change in a species overtime is called 42 The metal present in changes in a species overtime is called 43 Responsible of the species 44 Despite and the property 45 The functional block of kidneys are 46 The gradual change in a species overtime is called 47 The functional block of kidneys are 48 The functional block of kidneys are 49 The functional block of kidneys are 40 The functional block of kidneys are 41 The gradual change in a species overtime is called 42 The gradual change in a species overtime is called 43 Average heart beat per second is 44 Despite of the species 54 Average heart beat per second is 55 Leukemia is a disease of 56 Hydroponics are 57 Which law is also called law of inertia 58 A junction when two (or) more than two network elements 59 Methodour from blast france is called 50 The product from blast france is called 51 Name of the instrument to measure atmospheric pressure? 52 C C Calipers 53 Blood enters 54 Average heart beat per second is 55 Leukemia is a disease of 56 Hydroponics are 57 Which law is also called law of inertia 58 A junction when two (or) more than two network elements 59 Methodour from blast france is called 59 The product from blast france is called 50 The product from blast franc	37	How many oxygen atoms are there in 2 molecules of calcium	R	4	8	16	12
Separation   Sep		sulphate			ŭ		
President   Pres	38	Respiration is an example of	C	Displacement	Endothermic	Exothermic	Combination
40   The element which can be cut with a knife		nespiration is an example of		reaction	reaction	reaction	reaction
42   The metal present in haemoglobin is   A   Fe   K   Al   Mg   Mg   Mg   Mg   Mg   Mg   Mg   M	39	Which of the following is an oxidising agent?	D	Na	Cs	Ca	F <sub>2</sub>
142   The metal present in chlorophyll is   B   Diamond   Graphite   Charcoal	40	The element which can be cut with a knife	Α	Pottasium	Aluminium	Magnesium	Iron
142   The metal present in chlorophyll is   B   Diamond   Graphite   Charcoal	41	The metal present in haemoglobin is	Α	Fe	K	Al	Mg
Allotrope of carbon used as a lubricant is   B   Diamond   Graphite   Charcoal	42		D	Fe	K	Al	Mg
Bauxite and cryolite are ore of   B	43	Allotrope of carbon used as a lubricant is	В	Diamond	Graphite	Fullerene	Charcoal
Most abundant element on earth is   A   Oxygen   Iron   Nitrogen   Carbon	44	Bauxite and cryolite are ore of	В	Iron		Magnesium	
Amalgam is an alloy containing	45	· · · · · ·	А				Carbon
47 Father of biology is  Which of the following is likely to accumulate in dangerous proportion in the blood of a person whose kidney is not working properly  49 The functional block of kidneys are  40 The functional block of kidneys are  41 Human being belong to the species  42 Father of genetics is  43 What happens uring a diastole?  44 Average heart beat per second is  45 Average heart beat per second is  46 Hydroponics are  47 A Nephrons  48 Lysine  48 Lysine  4 Nephrons  4 Nephrons  5 Glomerouli  5 Human being belong to the species  5 C Charles Darwin  5 Blood leaves  5 Blood le	46	<del> </del>	D		Aluminium		Mercury
Which of the following is likely to accumulate in dangerous Which of the following is likely to accumulate in dangerous Which of the following is likely to accumulate in dangerous Approprion in the blood of a person whose kidney is not working properly The functional block of kidneys are A Nephrons The gradual change in a species overtime is called B Variation Evolution Migration Mutation M							
Which of the following is likely to accumulate in dangerous proportion in the blood of a person whose kidney is not working properly  48 The functional block of kidneys are  50 The gradual change in a species overtime is called  51 Human being belong to the species  52 Father of genetics is  53 What happens uring a diastole?  54 Average heart beat per second is  55 Hydroponics are  56 Hydroponics are  57 Which law is also called law of inertia  58 A junction when two (or) more than two network elements meet is known as a leading of the product from blast furnace is called  58 Name of the instrument to measure atmospheric pressure?  59 Which of the following has greatest affinity for haemoglobin?  50 The principle of IVDT operation is:  50 A Nephrons  51 Giomerouli Ureters  A Nephrons  62 Giomerouli Ureters  A Nephrons  63 Giomerouli Ureters  Neurons  64 Nephrons  64 Nephrons  65 Giomerouli Ureters  Neurons  64 Nephrons  65 Giomerouli Ureters  Neurons  66 The principle of IVDT operation is:  8 Lysine  Urea  A Nephrons  65 Giomerouli Ureters  Neurons  Flouristics  Favorition  Flouristics  Flouristics  New Variation  Evolution  Charles Darwin  B Lysine  Urea  A Nephrons  Giomerouli Ureters  Neurons  Revolution  Migration  Mustarion  Mustarion  Mustarion  Mustarion  Mustarion  Mustarion  Mustarion  Mustarion  Homo Sapies  Homo Habilis  Homo Sapies  Homo Habilis  Homo Sapies  Homo Habilis  Homo Habilis  Homo Sapies  Hominidae  Fergor  Mendel  Electric energy into electrical energy into	47	Father of biology is	D	Newton			Aristotle
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The functional block of kidneys are   A   Nephrons   Glomerouli   Ureters   Neurons	-10			Lysine	Orea	7.1111101110	chloride
The gradual change in a species overtime is called   B   Variation   Evolution   Migration   Mutation	19		٨	Nenhrons	Glomerouli	Uratars	Neurons
Father of genetics is   C   Homo erectus   Homo Habilis   Homo Sapiens   Hominidae		·					
Father of genetics is  C Charles Darwin Jean-Baptiste Lamarck Mendel  SWhat happens uring a diastole?  C Blood leaves ventricles heart heart lungs  A Average heart beat per second is  B SO 70 95 120  B Lungs Blood Skin Nerves  Solution Solution  Solution Solution  Which law is also called law of inertia  B Water containing all nutrients  Which law is also called law of inertia  B Newton third law second		The gradual change in a species overtime is called		Variation	Evolution	Wilgration	Widtation
Second law   Sec	51	Human being belong to the species	С	Homo erectus	Homo Habilis	Homo Sapiens	Hominidae
Second law   Sec					lean-Rantiste	Gregor	
What happens uring a diastole?  C Blood leaves ventricles Search Average heart beat per second is  B SO 70 95 120  The measure of light gathering capacity of the optical fibre is called  The principle of LVDT operation is:  C Blood leaves ventricles Selood leaves heart heart least per second is  B SO 70 95 120  Resistance Blood enters heart leage beart heart lungs Blood enters heart lungs Blood enters heart lungs Blood enters heart lungs Blood enters heart lungs From Solution Containing all nutrients Newton first law Newton first law Power on third law Newton first law Power on third law B Newton third law B Newton third law B Newton first law B Node B Branch B Dod Neves  Solution Containing all nutrients Newton B Ne	52	Father of genetics is	С	Charles Darwin		_	Carl Linnaeus
What happens uring a diastole?  C ventricles heart heart lungs  A verage heart beat per second is  B 50 70 95 120  Solution  Solution  Solution  Containing all nutrients  Which law is also called law of inertia  B Newton third law  Mich law is also called law of inertia  B Newton third law  A Junction when two (or) more than two network elements  meet is known as a  Solution  Second law  All of the above second law  A solids plasma gases liquids  The product from blast furnace is called  A Pig Iron Cast Iron  Wrought Iron Steel  Name of the instrument to measure atmospheric pressure?  C Calipers Bolometer Barometer Barograph  Which of the following has greatest affinity for haemoglobin?  D NO CO2 O2 CO  Electric energy into electrical energy into genergy  The measure of light gathering capacity of the optical fibre is called  The principle of LVDT operation is:  A Mutual inductance  Resistance Capacitance None of these						Mondol	
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B   Water   Solution containing all nutrients   Newton third law   Second law   All of the above   Solution containing all nutrients   Newton third law   Second law   Secon				ventricles	Blood leaves heart	Blood enters heart	lungs
Hydroponics are  B Water containing all nutrients  Which law is also called law of inertia  B Newton third law  B Newton first law  B Parch  Cast Iron  Wrought Iron  Steel  B A Pig Iron  Cast Iron  Wrought Iron  Steel  B B A Scale ring  B B Scale ring  B Scale ring  A None of above lectrical energy into electrical energy into elect	54	Average heart beat per second is	В	ventricles 50	Blood leaves heart 70	Blood enters heart 95	lungs 120
Newton third   Newton first   Newton   All of the above   Second law   Second law   Second law   Second law   All of the above   Second law	54	Average heart beat per second is	В	ventricles 50	Blood leaves heart 70 Blood	Blood enters heart 95	lungs 120
Which law is also called law of inertia   B   Newton third law   Newton first law   Second law   All of the above second law	54 55	Average heart beat per second is Leukemia is a disease of	B B	ventricles 50 Lungs	Blood leaves heart 70 Blood Solution	Blood enters heart 95 Skin	lungs 120 Nerves
A junction when two (or) more than two network elements meet is known as a  59 Sublimation is used to purify  60 The product from blast furnace is called  61 Name of the instrument to measure atmospheric pressure?  62 Which of the following has greatest affinity for haemoglobin?  63 Electric motor converts  64 The measure of light gathering capacity of the optical fibre is called  65 Brass is an alloy of  66 The principle of LVDT operation is:  Copper and 2 incumulation is used to purify  A solids plasma gases liquids  A Pig Iron Cast Iron Wrought Iron Steel  Cast Iron Wrought Iron Steel  Barometer Barograph  Copper and 2 incumulation electrical energy into light energy  None of above inductance  Capacitance None of these	54 55	Average heart beat per second is Leukemia is a disease of	B B	ventricles 50 Lungs	Blood leaves heart 70 Blood Solution	Blood enters heart 95 Skin	lungs 120 Nerves
A junction when two (or) more than two network elements meet is known as a meet is known as a  59 Sublimation is used to purify  60 The product from blast furnace is called  61 Name of the instrument to measure atmospheric pressure?  62 Which of the following has greatest affinity for haemoglobin?  63 Electric motor converts  64 The measure of light gathering capacity of the optical fibre is called  65 Brass is an alloy of  66 The principle of LVDT operation is:  A Mesh Node Branch Loop  A Solids plasma gases liquids  A Pig Iron Cast Iron Wrought Iron Steel  Barometer Barograph  CO2 O2 CO  Electric energy and energy into electrical energy into light energy into light energy into light energy  B Scattering Numerical Aperture  Copper and zinc Copper and nickel  Mutual inductance Resistance Capacitance None of these	54 55	Average heart beat per second is Leukemia is a disease of Hydroponics are	B B	ventricles 50 Lungs Water	Blood leaves heart 70 Blood Solution containing all nutrients	Blood enters heart 95 Skin Green house	lungs 120 Nerves
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Name of the instrument to measure atmospheric pressure?   C   Calipers   Bolometer   Barometer   Barograph	54 55 56 57	Average heart beat per second is Leukemia is a disease of  Hydroponics are  Which law is also called law of inertia  A junction when two (or) more than two network elements meet is known as a	B B B	ventricles 50 Lungs Water Newton third law Mesh	Blood leaves heart 70 Blood Solution containing all nutrients Newton first law	Blood enters heart 95 Skin Green house Newton second law	lungs 120 Nerves Liquid All of the above
Name of the instrument to measure atmospheric pressure?   C   Calipers   Bolometer   Barometer   Barograph	54 55 56 57 58	Average heart beat per second is Leukemia is a disease of  Hydroponics are  Which law is also called law of inertia  A junction when two (or) more than two network elements meet is known as a	B B B B B B B	ventricles 50 Lungs Water Newton third law Mesh	Blood leaves heart 70 Blood Solution containing all nutrients Newton first law Node	Blood enters heart 95 Skin Green house Newton second law Branch	lungs 120 Nerves Liquid All of the above
62 Which of the following has greatest affinity for haemoglobin?  Belectric motor converts  A Electric energy into mechanical energy into electrical energy into light energy  The measure of light gathering capacity of the optical fibre is called  Belectric energy into mechanical energy into electrical energy into light energy  Scattering Numerical Aperture  Copper and Zinc Copper and zinc Nickel and tin Zinc and nickel  The principle of LVDT operation is:  A Mutual inductance Resistance Capacitance None of these	54 55 56 57 58 59	Average heart beat per second is Leukemia is a disease of  Hydroponics are  Which law is also called law of inertia  A junction when two (or) more than two network elements meet is known as a  Sublimation is used to purify	B B B B A	ventricles 50 Lungs Water Newton third law Mesh solids	Blood leaves heart 70 Blood Solution containing all nutrients Newton first law Node plasma	Blood enters heart 95 Skin Green house Newton second law Branch gases	lungs 120 Nerves Liquid  All of the above Loop liquids
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Electric motor converts  A into mechanical energy into electrical energy into light energy  The measure of light gathering capacity of the optical fibre is called  B Scattering A Copper and zinc Copper and nickel  The principle of LVDT operation is:  A into mechanical energy into energy Numerical Aperture  Copper and zinc Mutual inductance  A Mutual Resistance Capacitance None of these	54 55 56 57 58 59 60 61	Average heart beat per second is Leukemia is a disease of  Hydroponics are  Which law is also called law of inertia  A junction when two (or) more than two network elements meet is known as a  Sublimation is used to purify  The product from blast furnace is called  Name of the instrument to measure atmospheric pressure?	B B B A C	ventricles 50 Lungs Water  Newton third law Mesh solids Pig Iron Calipers	Blood leaves heart 70 Blood Solution containing all nutrients Newton first law Node plasma Cast Iron Bolometer	Blood enters heart 95 Skin  Green house  Newton second law Branch gases Wrought Iron Barometer	lungs 120 Nerves Liquid  All of the above Loop liquids Steel Barograph
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The measure of light gathering capacity of the optical fibre is called  Brass is an alloy of  A Copper and zinc nickel  The principle of LVDT operation is:  B Scattering Numerical Aperture  Copper and zinc nickel  Mutual inductance  Refraction  Refraction  Refraction  Refraction  Refraction  Refraction  Refraction  Resistance Capacitance None of these	54 55 56 57 58 59 60 61 62	Average heart beat per second is Leukemia is a disease of  Hydroponics are  Which law is also called law of inertia  A junction when two (or) more than two network elements meet is known as a  Sublimation is used to purify  The product from blast furnace is called  Name of the instrument to measure atmospheric pressure?  Which of the following has greatest affinity for haemoglobin?	B B B A C D	ventricles 50 Lungs Water  Newton third law Mesh solids Pig Iron Calipers  NO Electric energy into	Blood leaves heart 70 Blood Solution containing all nutrients Newton first law Node plasma Cast Iron Bolometer  CO2 Mechanical energy into	Blood enters heart 95 Skin  Green house  Newton second law Branch gases Wrought Iron Barometer  O2  Electrical energy into	lungs 120 Nerves Liquid  All of the above Loop liquids Steel Barograph
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65 Brass is an alloy of  A Copper and zinc nickel  A Mutual inductance  Copper and nickel  Resistance  Capacitance  None of these	54 55 56 57 58 59 60 61 62	Average heart beat per second is Leukemia is a disease of  Hydroponics are  Which law is also called law of inertia  A junction when two (or) more than two network elements meet is known as a  Sublimation is used to purify  The product from blast furnace is called  Name of the instrument to measure atmospheric pressure?  Which of the following has greatest affinity for haemoglobin?  Electric motor converts	B B B C C D	ventricles 50 Lungs Water  Newton third law Mesh solids Pig Iron Calipers  NO Electric energy into mechanical	Blood leaves heart 70 Blood Solution containing all nutrients Newton first law Node plasma Cast Iron Bolometer  CO2 Mechanical energy into electrical energy	Blood enters heart 95 Skin  Green house  Newton second law  Branch gases Wrought Iron  Barometer  O2  Electrical energy into light energy	lungs 120 Nerves Liquid  All of the above Loop liquids Steel Barograph CO  None of above
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67   Suspension of slaked lime in water is known as C   Quick lime   Lime water   Milk of lime   None of these	54 55 56 57 58 59 60 61 62 63 64 65	Average heart beat per second is Leukemia is a disease of  Hydroponics are  Which law is also called law of inertia  A junction when two (or) more than two network elements meet is known as a Sublimation is used to purify The product from blast furnace is called  Name of the instrument to measure atmospheric pressure?  Which of the following has greatest affinity for haemoglobin?  Electric motor converts  The measure of light gathering capacity of the optical fibre is called  Brass is an alloy of	B B B B C D A B A A	ventricles 50 Lungs Water  Newton third law Mesh solids Pig Iron Calipers  NO Electric energy into mechanical energy Scattering Copper and zinc Mutual	Blood leaves heart 70 Blood Solution containing all nutrients Newton first law Node plasma Cast Iron Bolometer  CO2 Mechanical energy into electrical energy Numerical Aperture Copper and nickel	Blood enters heart 95 Skin  Green house  Newton second law  Branch gases Wrought Iron  Barometer  O2  Electrical energy into light energy  Interference  Nickel and tin	lungs 120 Nerves Liquid  All of the above Loop liquids Steel Barograph CO  None of above  Refraction
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68	Aqua regia consists of	А	Nitric acid and Hydrochloric acid	Sulphuric acid and Hydrochloric acid	Nitric acid and Carbonic acid	Nitric acid and Sulphuric acid
69	Which among the following metal is stored in kerosene?	В	Aluminium	Sodium	Bromine	Calcium
70	The disease of the eye in which the intraocular pressure is increased is	D	Cataract	Astigmatism	Myopia	Glaucoma
71	The power house of the cell is	В	Golgi apparatus	Mitochondria	Vacuoles	Lysosomes
72	Force of attraction between the different substances is called	Α	Adhesive force	Surface tension	Cohesive force	None of above
73	A divergent lens will produce	А	Always virtual image	Always real image	Sometimes real and sometimes virtual image	None of these
74	A ray is incident at an angle 38° on a mirror, the angle between normal and reflected ray is	В	90°	52°	38°	76°
75	A gas behaves more closely as an ideal gas at	В	Low pressure and low temperature	Low pressure and high temperature	High pressure and low temperature	High pressure and low temperature
76	The apparent change in frequency due to the relative motion between the source and observer is called	С	Harmonic waves	Theory of Relativity	Doppler effect	Photoelectric effect
77	An electron microscope is better than optical microscope because of	D	Comfortable use	Low purchasing cost	Observation can be taken quickly	More resolving power
78	The separation of the constituents of a mixture by column chromatography depends upon their	А	Differential adsorption	Different boiling points	Different refractive indices	Different solubilities
79	In human ear, secretion of wax is done by	Α	Ceruminous glands	Basilar membrane	Cochlea	Vestibule
80	Normal Human Blood Pressure is mmHg	В	100/50	120/80	150/70	200/100
81	Ozone layer is present in	В	Troposphere	Stratosphere	Mesosphere	Ionosphere
82	Which of the following is not a greenhouse gas?	С	Ozone	Methane	Nitrogen	Carbondioxide
83	Which among the following vitamin help in absorption of calcium from intestinal tracts?	С	Vitamin A	Vitamin C	Vitamin D	Vitamin K
84	Which part of the brain coordinates our muscle movements?	С	Cerebrum	Medulla oblongata	Cerebellum	None of these
85	Which among the following is not a classification of EEG waves?	С	Beta waves	Alpha waves	PQRS waves	Theta waves
86	Who discovered X-rays	<u>C</u>	Curie	Becquerel	Rontgen	Michelson
87	Blood is brought back to the heart from the body by	С	Cells	Arteries	Veins air and other	Nerves vacuum and
88	Sound waves can pass through	С	air only	vacuum	states of matter	other states of matter
89	Perimeter of a square is 40 cm. find the area?	С	10 cm <sup>2</sup>	400 cm <sup>2</sup>	100 cm <sup>2</sup>	160 cm <sup>2</sup>
90	which of the following hormones is responsible for the emotional states such as fear, anger and tension and rise in blood pressure and heart rate	D	somatotropin	oxytocin	thyroxine	adrenaline
91	DNA structure was first described by	В	Cat Cheside	Watson and crick	Nirenberg	Nirenberg
92	The ground faults can be avoided by	А	using isolated power supply	using 3 pin plug system	using fuses in the circuits	using pure DC alone
93	Temperature sensing can be achieved by the use of	D	RTDs	thermocouples	thermistors	all the above
94	The EEG signal is originated from the	Α	Brain Cells	Sino arterial node	Motor units.	Acetylcholine
95	The master gland present at the base of the brain is	Α	Pituitary gland	Pineal gland	Adrenal gland	Liver
96	Which part of the ear is responsible for maintaining balance?	С	Organ of corti	Ear ossicles	Vestibular apparatus	Tympanic membrane
97	Which among the following elements is diamagnetic?	С	Platinum	Iron	Copper	Oxygen
98	The brain uses what percentage of the body's energy?	В	10 per cent	20 per cent	2 per cent	50 per cent
99	Type of brain surgery that uses system of three dimensional coordinates to locate the operative site is called?	С	Densitometry	microsurgery	sterotatic surgery	laproscopic surgery
100	what is the role of positive catalyst in a chemical reaction?	А	It increases the rate of recation	It decreases the rate of reaction	It increases the yield of the product	It provides better purity of the products

101	The use of notch filter in signal conditioning system is	В	to filter RF noise	50Hz noise fron	he signal from I	ne evoked respor
102	The normal pH of blood is	В	7	7.4	6.6	7.8
103	Otoscope is an instrument which is used to	D	t the abdominal	nspect the thora	pect the stoma	spect the ear dru
104	The unit of electric potential is	Α	Volt	Ampere	Coloumb	Farad
105	Find the number if its 25.5 % is153	В	400	600	550	625
106	Principle of transformer is	В	eddy current	mutual inductior	self induction	Joule's law
107	The disease caused by deficiency of protein in children is called	С	beri-beri	pellagra	marasmus	rickets
108	A patient's temperature changed daily between 96.8 F and 105	С	37,42	38,41	36,41	36,40.5
109	What is the range of mercury thermometer ?	С	elsius to 350 deg	ee Celsius to 350	e Celsius to 350	ee Celsius to 350
110	SI unit for length is	В	yard	meter	Centimeter	feet
111	Microorganisms that can only live and grow in the presence of	D	Pathogen	Mold	Anaerobe	Aerobe
112	Pick out the only scalar quantity from the following physical qu	С	electric current	velocity	area	torque
113	Which of the following is an ohmic resistor?	С	Transistor	Germanium	Nichrome	Diode
114	Ophthalmoscope is an instrument which is used to	Α	inspect the eye	nspect the thora	pect the stoma	t the abdominal
115	Which instrument is used to measure the power of electric circ	С	Viscometer	Decibelmeter	Wattmeter	Potentiometer
116	Which instrument is used to determine the intensity of colours	С	Catheter	Chronometer	Colorimeter	Commutator
117	When a negative ion is formed, the effective nuclear charge	С	Increases	Decreases	Is the same	Unpredictable
118	What does LED stand for?	В	ow Energy Displa	ght Emitting Dio	ht Emitting Disp	nt Emitting Detec
119	Light propagates rectilinearly, due to	В	wavelengths	wave nature	velocity	frequency
120	A laser beam is used for locating distant objects because	D	it is not observed	t is not chromati	is monochroma	small angular sp
121	An optically active compound	С	e direction of pol	ne polarised ligh	e plane of pola	none of these
122	A metal surface ejects electrons when hit by green light but no	D	heat rays	infrared light	red light	blue light
123	Which phenomenon best supports the theory that matter has	В	lectron diffractio	ectron momentu	hoton diffractio	hoton momentur
124	Mirage is a phenomenon due to.	С	reflection of light	efraction of ligh	ernal reflection	diffraction of light
125	Potential barrier developed in a junction diode opposes the flo	С	ectrons in p region	holes in p region	jority carriers o	arrier in both reg
126	In a half wave rectifier circuit operating from 50 Hz mains frequ	D	100 Hz	25 Hz	70.7 Hz	50 Hz
127	Which one is a broad spectrum drug?	В	Chloroquine	Chloramphenico	Plasmoquine	Chloroxylenol
128	Allergy is caused by the production of in the body	D	Enzymes	Vitamins	Hormones	Histamines
129	Drug which is used to reduce anxiety and brings calmness is kn	С	Diuretic	Analgesic	Tranquilizer	Antacids
130	Streptococcus is used in the preparation of	D	Idli	Wine	Bread	Paneer
131	A free living anaerobic nitrogen fixing bacterium is:	С	Streptococcus	Rhizobium	Clostridium	Azotobactor
1	Which chemical substance affects the Ozone Layer?	В	lexafluorocarboi	hlorofluorocarbo	Chlorine	Molecular Carbor
1	Amniocentesis is a process to:	С	e any disease ¡n	about diseases o	ereditary disea	bout condition o
1	AIDS caused by:	Α	By Virus	By fungus	By Helminthes	By Bacteria
1	PCR isused to test for:	D	Cancer	Tuberculosis	Cholera	HIV
1	Which organ of body is most affected by excessive intake of alc	Α	Liver	Lungs	Spleen	Stomach
1	Widal test is done to confirm:	Α	Typhoid	Cancer	Malaria	AIDS
1	Tendons and ligaments are	В	Muscular tissue	ous connective ti	onnective tissu	Skeletal tissue
1	Which of these is a disease of the myelin sheath?	D	Leprosy	Polio	Alzheimer	Multiple sclerosis
1	Which of these has the highest permeability in a resting nerve	В	Cl-	K+	Na+	<b> </b> -
1	Where will the image of a distant object be formed when a per	В	behind retina	front of the reti	on the blindspo	n the yellow spo
1	A cornea transplant is never rejected in humans because	С	ists of enucleate	s a non-living lay	as no blood sup	least penetrable
1	The transparent lens in the human eye is held in its place by	В	attached to the o	nuscles attached	nts attached to	es attached to th
1	Bakelite is an example of	D	elastomer	fibre	thermoplastic	thermosetting

1	Tyndall effect confirms the	С	ffect on the sol.	tering by the sol	teneous naturo	motion of the so
1	Shape selective catalysis is a reaction catalysed by	A	zeolite	enzymes		gler-Natta catal
	The activity of an enzyme becomes ineffective	C	t low temperatur			
1						
1	Fog in an example of colloidal system of	В	gas in liquid	liquid in gas	solid in gas	gas in solid
1	Why is alum added to water containing suspended impurities?	В	ake acolloidal so			
1	A plant cell shrinks when it is kept in a	В	ypotonic solutio	ypertonic solution	sotonic solution	pure water
	_					