Question Details of Subject :QUIZ-BTT-361

Unit Code	Group 1	Group 2	Unit Wise Total
1	67	63	**130**
2	66	66	**132**
3	63	61	**124**
Group Wise Total	**196**	**190**	

Total Questions : 386

QNo	Question Id	Question Description
1	1815658 Unit : 1, Group : 1	1. Who prepared and explained nanotubes for the first time? **1.Eric Drexler** **2.Richard Feynmann** **3.Richard Smalley** **4.Sumio Tijima (Right)**
2	1815659 Unit : 1, Group : 1	The suffix '-ene' in the name of fullerene shows the presence of _____ in the molecule. **1.one double bond (Right)** **2.one triple bond** **3.Two single bond** **4.Two triple bonds**
3	1815660 Unit : 1, Group : 1	Biotechnology relates with **1.all of the above** **2.Gene therapy (Right)** **3.Quantum dot** **4.Spintronics**
4	1815661 Unit : 1, Group : 1	Quantum dots lies in which field ? **1.biotechnology** **2.chemistry** **3.material science (Right)** **4.Physics**
5	1815662 Unit : 1, Group : 1	Size of nanoshell is **1.100 nm (Right)** **2.50 nm** **3.80 nm** **4.none**
6	1815663 Unit : 1, Group : 1	The size of Hydrogen atom is **1.0.1 nm (Right)** **2.1 mm** **3.100 mm** **4.100 nm**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
7	1815664 Unit : 1, Group : 1	The size of E.coli bacteria is **1.100 nm** **2.1000 nm** **3.200 nm** **4.2000 nm (Right)**
8	1815665 Unit : 1, Group : 1	Transistor **1.100 nm** **2.90 nm (Right)** **3.900 nm** **4.none**
9	1815666 Unit : 1, Group : 1	Volume to surface area ratio is very large for nanomaterials. **1.false (Right)** **2.none** **3.not known** **4.true**
10	1815667 Unit : 1, Group : 1	The cut-off limit of human eye is 10-5 m. **1.FALSE** **2.Not sure** **3.TRUE (Right)** **4.**
11	1815668 Unit : 1, Group : 1	Sumio Tijima prepared and explained ..... for the first time? **1.nanorod** **2.nanoshell** **3.nanotubes (Right)** **4.none**
12	1815669 Unit : 1, Group : 1	Nano particles of which atom are used to control collateral damage due to explosion? **1.Aluminium (Right)** **2.Carbon** **3.Copper** **4.Lead**
13	1815670 Unit : 1, Group : 1	Nano particles of copper atom are used to control collateral damage due to explosion. **1.none** **2.not sure** **3.Right** **4.wrong (Right)**
14	1815671 Unit : 1, Group : 1	Nanoparticles of which substance were found on the surface of the sword of Tipu Sultan? **1.a and b** **2.carbon (Right)** **3.copper** **4.silicon**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
15	1815672 Unit : 1, Group : 1	The thermal stability of a nanotube is seen up to ____ K in air. **1.100** **2.1000 (Right)** **3.2000** **4.3100**
16	1815673 Unit : 1, Group : 1	The width of a carbon nanotube is ____ nm. **1.1.3 (Right)** **2.1.5** **3.10** **4.2.0**
17	1815674 Unit : 1, Group : 1	The capacity of a normal human eye to see the smallest object is ____ μm. **1.10 (Right)** **2.100** **3.1000** **4.10000**
18	1815675 Unit : 1, Group : 1	1. **What is the size of a nanoshell?** **1.10 nm** **2.100 nm. (Right)** **3.200 nm** **4.none**
19	1815676 Unit : 1, Group : 1	1. **What is the diameter of human hair?** **1.1 nm** **2.20 nm** **3.2000 nm** **4.75000 nm. (Right)**
20	1815677 Unit : 1, Group : 1	1. **Who photographed nanotubes for the first time ?** **1.a and b** **2.Eric** **3.none** **4.Sumio Tijima (Right)**
21	1815678 Unit : 1, Group : 1	1. **Who conceptualised carbon nanotubes?** **1.None** **2.R Feynman** **3.Richard Smalley (Right)** **4.Sujimo Tyiko**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
22	1815679 Unit : 1, Group : 1	1. **What is the full form of AFM?** **1.a and b** **2.Aeronautic Focus Microscopy** **3.Atomic Force Microscope. (Right)** **4.none**
23	1815680 Unit : 1, Group : 1	1. **What is the size of a quantum dot?** **1.10 nm** **2.100 nm** **3.200 nm** **4.5 nm (Right)**
24	1815681 Unit : 1, Group : 1	1. **What is the size of red blood cells?** **1.50 nm.** **2.500 nm.** **3.5000 nm. (Right)** **4.none**
25	1815682 Unit : 1, Group : 1	1. The size of nanoparticles is between _____ nm. **1.0.1 to 10** **2.0.2 to 0.5** **3.1 to 100 (Right)** **4.100 to 1000**
26	1815683 Unit : 1, Group : 1	1. Who coined the word 'nanotechnology'? **1.Eric Drexler (Right)** **2.None** **3.Richard Feynmann** **4.Richard Smalley**
27	1815684 Unit : 1, Group : 1	The size of nanoparticles is between _____ nm. **1.0.1-1** **2.0.2 - 1** **3.1 - 100 (Right)** **4.100 - 1000**
28	1815685 Unit : 1, Group : 1	Atom by Atom,molecule by molecule by molecule construction of nanomaterials approach is **1.Bottom up (Right)** **2.Enzymatic** **3.Quantam sequencing** **4.Top Down**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
29	1815686 Unit : 1, Group : 1	Which is not a Nanomaterial? **1.Magnets (Right)** **2.Nanoparticles** **3.Nanotube** **4.Nanowires**
30	1815687 Unit : 1, Group : 1	Why nanomaterials are advantageous? **1.Alter drug confirmation** **2.High load capacity** **3.small surface** **4.Target specific (Right)**
31	1815688 Unit : 1, Group : 1	What does keV stand for? **1.kiloelectronvolt (Right)** **2.kiloenergyvolt** **3.kineticenergyvelocity** **4.kineticenergyvolt**
32	1815689 Unit : 1, Group : 1	The prefix "nano" comes from a **1.French word meaning billion** **2.Greek word meaning dwarf (Right)** **3.Latin word meaning invisible** **4.Spanish word meaning particle**
33	1815725 Unit : 1, Group : 1	1. **Mention the width of a DNA molecule.** **1.2 nm. (Right)** **2.200 nm.** **3.2000** **4.20nm.**
34	1815726 Unit : 1, Group : 1	1. **How much is 1 micron in meter ?** **1.10-10 meter.** **2.10-6 meter. (Right)** **3.10-9 meter.** **4.**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
35	1815727 Unit : 1, Group : 1	1. **Who wrote the book "Engines of Creation"?** **1.K. Eric Drexler (Right)** **2.None** **3.sujimo** **4.Taiyoko**
36	1815728 Unit : 1, Group : 1	1. **Who coined the word "Nanotechnology"?** **1.K. Eric Drexler (Right)** **2.Richard** **3.Yaiynaka** **4.Zuko**
37	1815729 Unit : 1, Group : 1	1. **The size of red and white blood cells is in the range of _____μm.** 2. **1.10-15** **2.2-5 (Right)** **3.5-7** **4.7-10**
38	1815730 Unit : 1, Group : 1	1. **The tensile strength of a carbon nanotube is _____ times that of steel.** **1.10** **2.100 (Right)** **3.1000** **4.25**
39	1815731 Unit : 1, Group : 1	1. **The width of carbon nanotube is _____nm.** **1.1** **2.1.3 (Right)** **3.1.34** **4.4**
40	1815732 Unit : 1, Group : 1	1. **What is the size of a virus?** **1.10 nm** **2.100 nm** **3.50 nm (Right)** **4.60 nm**
41	1815733 Unit : 1, Group : 1	(ISO), **1.Interanational Organization for Standardization** **2.International Organization for Standardization (Right)** **3.International Organized system of Standardization** **4.none**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
42	1815734 Unit : 1, Group : 1	SLN is **1.all of the above** **2.nano particle (Right)** **3.nanocomposite** **4.Nnaoshell**
43	1815735 Unit : 1, Group : 1	Egyptians were using ____ to prepare make-up for eyes. **1.nanocapsule** **2.nanocopper** **3.nanolead (Right)** **4.nanorod**
44	1815736 Unit : 1, Group : 1	Greeks and Romans had used nanoparticles in the manufacture of.. **1.cosmetics for eyes** **2.hair-dye (Right)** **3.medicines** **4.none**
45	1815737 Unit : 1, Group : 1	Nanoscience can be studied with the help of... **1.geophysics** **2.macro-dynamics** **3.Newtonian mechanics** **4.quantum mechanics (Right)**
46	1815738 Unit : 1, Group : 1	The full form of STM is... **1.Scanning Tunneling Microscope (Right)** **2.Scientific Technical Microscope** **3.Super Tensile Microscope** **4.Systematic Technical Microscope**
47	1815739 Unit : 1, Group : 1	What does 'F' stand for in AFM? **1. Fine** **2.Force (Right)** **3.Front** **4.fundamental**
48	1815740 Unit : 1, Group : 1	The two main properties of nanosubstances are... **1.pressure and friction** **2.sticking and friction (Right)** **3.sticking and temperature** **4.temperature and friction**
49	1815741 Unit : 1, Group : 1	SLN IS **1.SOLID LIPID NANOPARTICLE (Right)** **2.SOLID LIQUID NANOPARTICLE** **3.SOLUBLE LIQUID NANOPARTICLE** **4.SOLUTE LIQUID NANOPARTICLE**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
50	1815742 Unit : 1, Group : 1	1. Volume to surface area ratio is very for nanomaterials. **1.all** **2.False** **3.may be/may not be** **4.True (Right)**
51	1897495 Unit : 1, Group : 1	Which of these products might contain nanotechnology? **1.sunscreen** **2.an iPod** **3. a pair of slacks** **4.tennis rackets** **5.a teddy bear** **6.all of the above (Right)**
52	1897500 Unit : 1, Group : 1	Which are POSSIBLE risks of nanotechnology today? **1.nanomachines might devour the world and turn everything into a "gray goo"** **2.nano-robots could take pictures of secret documents and relay them to foreign agents** **3.scattered nanoparticles may recombine in nature to form new elements and chemical compounds that are highly reactive and toxic** **4.waste nanomaterials may end up in groundwater, rivers, and lakes where they kill off fish and other wildlife (Right)**
53	1897885 Unit : 1, Group : 1	Who first used the term nanotechnology and when? **1.Richard Feynman, 1959** **2.Norio Taniguchi, 1974 (Right)** **3.Eric Drexler, 1986** **4. Sumio Iijima, 1991**
54	1897889 Unit : 1, Group : 1	: Which of these historical works of art contain nanotechnology? **1.Lycurgus cup** **2.Medieval stained glass windows in churches** **3.Damascus steel swords** **4.All of the above (Right)**
55	1897897 Unit : 1, Group : 1	Richard Feynman is often credited with predicting the potential of nanotechnology. What was the title of his famous speech given on December 29, 1959? **1.There is a tiny room at the bottom** **2.Things get nanoscopic at the bottom** **3.Bottom? What bottom?** **4.There is plenty of room at the bottom (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
56	1897907 Unit : 1, Group : 1	Which one of these statements is NOT true? **1.Gold at the nanoscale is red** **2.Copper at the nanoscale is transparent** **3.Silicon at the nanoscale is an insulator (Right)** **4.Aluminum at the nanoscale is highly combustible**
57	1897913 Unit : 1, Group : 1	Which of these consumer products is already being made using nanotechnology methods? **1.Fishing lure** **2.Golf ball** **3.Sunscreen lotion** **4.All of the above (Right)**
58	1897919 Unit : 1, Group : 1	If you were to shrink yourself down until you were only a nanometer tall, how thick would a sheet of paper appear to you? **1.170 meters** **2.1.7 kilometers (a bit more than a mile)** **3.17 kilometers** **4.170 kilometers (Right)**
59	1897930 Unit : 1, Group : 1	What is graphene? **1.A new material made from carbon nanotubes** **2.A one-atom thick sheet of carbon (Right)** **3.Thin film made from fullerenes** **4.A software tool to measure and graphically represent nanoparticles**
60	1897938 Unit : 1, Group : 1	Which one of these condiments is unique due to the nanoscale interactions between its ingredients? **1.Ketchup** **2.Mustard** **3.Mayonnaise (Right)** **4.All of the above**
61	1897945 Unit : 1, Group : 1	Nanorobots (nanobots)... **1.Do not exist yet (Right)** **2.Exist in experimental form in laboratories** **3.Are already used in nanomedicine to remove plaque from the walls of arteries** **4.Will be used by NASA in the next unmanned mission to Mars**
62	1897950 Unit : 1, Group : 1	Plasmonics is... **1.A field of nanophotonics that holds the promise of molecular-size optical device technology (Right)** **2.The science of fluorescent nanoparticles used in modern fireworks** **3.A hypothetical science used in science fiction weaponry (plasma cannons)** **4.The technology used to design and build the laser-guided photonic gyroscopes used in aviation.**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
63	1897958 Unit : 1, Group : 1	what exactly is a quantum dot? **1.A semiconductor nanostructure that confines the motion of conduction band electrons, valence band holes, or excitons in all three spatial directions. (Right)** **2.The sharpest possible tip of an Atomic Force Microscope** **3.A fictional term used in science fiction for the endpoints of wormholes** **4. Unexplained spots that appear in electron microscopy images of nanostructures smaller than 1 nanometer**
64	1897481 Unit : 1, Group : 1	Which of these is at the nanoscale (between 1 and 100 nanometers)? **1. the head of a pin** **2. DNA (Right)** **3.a red blood cell** **4.a hydrogen atom** **5.a snowflake**
65	1897488 Unit : 1, Group : 1	What are "bucky balls"? **1. a new form of elemental carbon, similar in structure to a geodesic dome (Right)** **2.new, nano-enhanced soccer balls to be used at the 2010 World Cup** **3. an annual gala for nanotechnologists** **4.an extremely unstable nanoscale sphere that, due to quantum mechanics, moves about erratically**
66	1924571 Unit : 1, Group : 1	Sol-gel method is _____ approach. **1.Bottom up (Right)** **2.Up bottom** **3.Top down** **4.Down top**
67	1897878 Unit : 1, Group : 1	The prefix "nano" comes from a ... **1.French word meaning billion** **2.Greek word meaning dwarf (Right)** **3.Spanish word meaning particlethat are highly reactive and toxic** **4.Latin word meaning invisible**
68	1924484 Unit : 1, Group : 2	For high sensitivity or selectivity environmental sensors to sense the gaseous chemical like _____ **1.CO2** **2.NO3** **3.O2** **4.NO (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
69	1924586 Unit : 1, Group : 2	_____ undergo hydrolysis and poly condensation reactions. **1.Metal ions** **2.Metal carbonates** **3.Metal nitrates** **4.Metal oxides (Right)**
70	1943384 Unit : 1, Group : 2	Which of the following is the application of nanotechnology to food science and technology? **1.Agriculture** **2.food safety and Biosecurity** **3.Product development** **4.All of the mentioned (Right)**
71	1924361 Unit : 1, Group : 2	The nano materials are used in the light emitted electro luminescence devices. **1.True (Right)** **2.False** **3.** **4.**
72	1942699 Unit : 1, Group : 2	The two important properties of nanosubstances are.. **1.pressure and friction** **2. sticking and friction (Right)** **3.sticking and temperature** **4.temperature and friction**
73	1942749 Unit : 1, Group : 2	Which of the following is not an example of a natural biodegradable polymer? **1.Collagen** **2.Polyvinyl alcohol (Right)** **3. Lignin** **4.Natural rubber**
74	1942768 Unit : 1, Group : 2	Biodegradable polymers do not need to be land-filled, they will re-enter normal geo-chemical cycles over time. **1.True (Right)** **2. False** **3.** **4.**
75	1942885 Unit : 1, Group : 2	What System is used by nanotechnology for drug delivery **1.polymeric nanoparticles** **2.protein and peptides** **3.nanoelectromechanical system** **4.all of these (Right)**
76	1942921 Unit : 1, Group : 2	Which of the following is the example of nano medicine **1.Block copolymers** **2.Gold nanoshells** **3.Lipid nanotechnology** **4.None of these (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
77	1942974 Unit : 1, Group : 2	What is the major advantages of polymer in polymeric nanoparticles **1.Lower cost** **2.stability** **3.Predictable Characterization** **4.All of these (Right)**
78	1942999 Unit : 1, Group : 2	Which element is used for quantum dots **1.Cadmium** **2.Selenide** **3.Cadmium Selenide (Right)** **4.None of these**
79	1943035 Unit : 1, Group : 2	What is the main advantage of using nanotechnology for drug delivery **1.Efficient Encapsulation of the drugs** **2.Successful delivery of said drugs to the targeted region of the body** **3.Successful release of drug (Right)** **4.All of these**
80	1943217 Unit : 1, Group : 2	The four types of Artificial nanomaterials are _____ **1. Carbon-based, non-metallic, composites and ceramics** **2. Carbon-based, metallic, composites and ceramics** **3. Carbon-based, non-metallic, composites and dendrimers** **4.Carbon-based, metallic, composites and dendrimers (Right)**
81	1815858 Unit : 1, Group : 2	Who is given credit for the discovery of radioactive materials? **1.Henri Becquerel (Right)** **2.Marie Curie** **3.Pierre Curie** **4.Wilhelm Roentgen**
82	1815859 Unit : 1, Group : 2	X-rays and Gamma rays are a form of: **1.Both B and C** **2.Electromagnetic radiation (Right)** **3.Light** **4.Particle radiation**
83	1815743 Unit : 1, Group : 2	Who is given credit for the discovery of X-ray? **1. Pierre Curie** **2.Henri Becquerel** **3.Marie Curie** **4.Wilhelm Roentgen (Right)**
84	1815583 Unit : 1, Group : 2	Energy passing through unit area is **1.amplitude of x-ray** **2.frequency of x-ray** **3.intensity of x-ray (Right)** **4.wavelength of x-ray**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
85	1815584 Unit : 1, Group : 2	X-rays are filtered out of human body by using **1.aluminum absorbers (Right)** **2.cadmium absorbers** **3.carbon absorbers** **4.copper absorbers**
86	1815585 Unit : 1, Group : 2	Wavelength of x-rays is in range **1.10-10 to 10-15 m** **2.10-7 to 10-14 m** **3.10-8 to 10-13 m (Right)** **4.102 to 109 m**
87	1815586 Unit : 1, Group : 2	If fast moving electrons rapidly decelerate, then rays produced are **1.alpha rays** **2.beta rays** **3.gamma rays** **4.x-rays (Right)**
88	1815587 Unit : 1, Group : 2	X-rays have **1.both A and B (Right)** **2.high frequency** **3.longest wavelength** **4.short wavelength**
89	1815588 Unit : 1, Group : 2	scattered x ray beams approach detector screen **1.anti parrallel** **2.at an angle (Right)** **3.parrellel** **4.perpendicularly**
90	1815589 Unit : 1, Group : 2	Type of X-Rays used to detect break in bone is **1.both a and b** **2.hard (Right)** **3.moderate** **4.soft**
91	1815590 Unit : 1, Group : 2	intensifiers screens reduce patients exposure to x rays by a factor of **1.10-100** **2.100-500 (Right)** **3.1000-2000** **4.500-600**
92	1815591 Unit : 1, Group : 2	contrast media consist of elements with **1.higher atomic number (Right)** **2.inert gases** **3.lower atomic number** **4.metalloids**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
93	1815592 Unit : 1, Group : 2	a good x rays source should produce x rays of narrow beam and **1.antiparrellel x rays** **2.none** **3.parrellel x rays (Right)** **4.perpendicular x rays**
94	1815593 Unit : 1, Group : 2	Angiography uses what technique **1.both a and b** **2.image addition** **3.image division** **4.image multiplication (Right)**
95	1815594 Unit : 1, Group : 2	Oldest source of EM radiations used for imaging **1.beta rays** **2.gamma rays** **3.none** **4.X rays (Right)**
96	1815595 Unit : 1, Group : 2	Computerized axial tomography uses **1.gamma** **2.microwaves** **3.radio waves** **4.x-rays (Right)**
97	1815596 Unit : 1, Group : 2	X-rays are produced within the **1.film** **2.none** **3.X ray cathode** **4.X ray machine (Right)**
98	1815597 Unit : 1, Group : 2	what is the source of x ray photons in a tube **1.anode (Right)** **2.cathode** **3.filament** **4.rotor**
99	1815598 Unit : 1, Group : 2	CRT is **1.Cathode Ray Terminal** **2.Cathode Ray Tube (Right)** **3.Cathode Ray Tubular** **4.none**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
100	1815599 Unit : 1, Group : 2	Majority of useful x ray beams is composed of mainely **1.bremm's rays (Right)** **2.characteristics rays** **3.k rays** **4.Secondary radiations**
101	1815600 Unit : 1, Group : 2	cathode end of the x ray tube posseses a charge **1.negative (Right)** **2.neutral** **3.none** **4.positive**
102	1815601 Unit : 1, Group : 2	anode end of X ray rube posses a charge is **1.negative** **2.neutral** **3.none** **4.positive (Right)**
103	1815602 Unit : 1, Group : 2	bremsstrahlung radiation are **1.braking radiation (Right)** **2.continuous** **3.large** **4.none**
104	1815603 Unit : 1, Group : 2	bremsstrahlung is a **1.Egyptian word** **2.German word (Right)** **3.Italian word** **4.none**
105	1815604 Unit : 1, Group : 2	There are two types of X-ray generated **1.characteristic radiation and bremsstrahlung radiation. (Right)** **2.characteristic radiation and Counted radiation.** **3.colored radiation and bremsstrahlung radiation.** **4.none**
106	1815605 Unit : 1, Group : 2	which of the following technique is used to study the 3D structure of a molecule **1.IR Spectroscopy** **2.Mass spectrometry** **3.none** **4.X Ray Crystallography (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
107	1815606 Unit : 1, Group : 2	X-rays are produced by interaction of accelerated electrons with **1.all** **2.tungsten nuclei** **3.tungsten nuclei within the tube anode (Right)** **4.tungsten nuclei within the tube cathode**
108	1815607 Unit : 1, Group : 2	X-rays are produced within the X-ray machine, also known as an X-ray tube. No external radioactive material is involved. **1.false** **2.may be** **3.not sure** **4.true (Right)**
109	1815608 Unit : 1, Group : 2	Radiographers can change the current and voltage settings on the X-ray machine in order to manipulate the properties of the X-ray beam produced **1.false** **2.may not be** **3.not sure** **4.true (Right)**
110	1815609 Unit : 1, Group : 2	• X-rays are produced by interaction of ..... with tungsten nuclei within the tube anode **1.accelerated electrons (Right)** **2.anode** **3.cathode** **4.filament**

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QNo	Question Id	Question Description
111	1815610 Unit : 1, Group : 2	When a high energy electron **(1)** collides with an inner shell electron **(2)** both are ejected from the tungsten atom leaving a 'hole' in the inner layer. This is filled by an outer shell electron **(3)** with a loss of energy emitted as an X-ray photon **(4)**. This happens in type: **1.Bremsstrahlung/Braking X-ray generation** **2.Characteristic X-ray generation (Right)** **3.CONTRAST X-ray generation** **4.None**
112	1815611 Unit : 1, Group : 2	Approximately ..... of the population of X-rays within the X-ray beam consists of X-rays generated in Bremmstrahlung way. **1.100%** **2.80% (Right)** **3.85%** **4.90%**
113	1815612 Unit : 1, Group : 2	As a result of characteristic and bremsstrahlung radiation generation a spectrum of X-ray energy is produced within the X-ray beam. **1.FALSE** **2.NOT SURE** **3.TRUE (Right)** **4.**
114	1815613 Unit : 1, Group : 2	As a result of characteristic and bremsstrahlung radiation generation a spectrum of X-ray energy is produced within ..... **1.none of these** **2.the X-ray beam (Right)** **3.the X-ray Field** **4.the X-ray TUBE**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
115	1815614 Unit : 1, Group : 2	As a result of .....and bremsstrahlung radiation generation a spectrum of X-ray energy is produced within the X-ray beam. **1.all** **2.breaking** **3.characteristic (Right)** **4.Conceptual**
116	1815615 Unit : 1, Group : 2	Full form of CRT is **1.Cathode Ray Trunk** **2.Cathode Ray Tube (Right)** **3.Contrast Ray Tube** **4.none**
117	1815616 Unit : 1, Group : 2	XRD is **1.NONE** **2.X RAY DETECTION** **3.X RAY DIFFRACTION (Right)** **4.X RAY DIMENSION**
118	1815617 Unit : 1, Group : 2	Nanopartciles are characterized by using **1.ALL (Right)** **2.SEM** **3.SPECTROSCOPY** **4.XRD**
119	1815618 Unit : 1, Group : 2	X-rays are produced within the X-ray machine, also known as an ..... **1.X-ray terminal** **2.X-ray tide** **3.X-ray tube (Right)** **4.X-ray tune**
120	1815619 Unit : 1, Group : 2	Radiographers can change the current and voltage settings on the X-ray machine in order to manipulate the properties of the X-ray beam produced. Different X-ray beam spectra are applied to different body parts. **1.all** **2.not sure** **3.Right (Right)** **4.Wrong**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
121	1815620 Unit : 1, Group : 2	Two types of radiation are generated: characteristic radiation and bremsstrahlung (braking) radiation **1.false** **2.may not be** **3.not sure** **4.true (Right)**
122	1815621 Unit : 1, Group : 2	Bremsstrahlung = Braking radiation **1.CANT SAY** **2.NO** **3.NONE** **4.YES (Right)**
123	1815622 Unit : 1, Group : 2	When an electron passes near the nucleus it is slowed and its path is deflected. Energy lost is emitted as a bremsstrahlung X-ray photon. **1.ALL** **2.CANT SAY** **3.RIGHT (Right)** **4.WRONG**
124	1815623 Unit : 1, Group : 2	When an electron passes near the nucleus it is slowed and its path is deflected. Energy lost is emitted as a Characterisitics X-ray photon. **1.CANT SAY** **2.NOT SURE** **3.RIGHT** **4.WRONG (Right)**

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QNo	Question Id	Question Description
125	1815624 Unit : 1, Group : 2	When an electron passes near the nucleus it is slowed and its path is deflected. Energy lost is emitted as a characteristics X-ray photon. **1.cant say** **2.not sure** **3.Right** **4.wrong (Right)**
126	1815625 Unit : 1, Group : 2	• (braking) radiation **1.none** **2.rapidly** **3.slowed down (Right)** **4.stationary**
127	1815626 Unit : 1, Group : 2	The X-ray spectrum As a result of characteristic and bremsstrahlung radiation generation a spectrum of X-ray energy is produced within the X-ray beam. **1.FALSE** **2.TRUE (Right)** **3.** **4.**
128	1815627 Unit : 1, Group : 2	XRD spectrum can be manipulated by changing the X-ray tube current or voltage settings, or by adding ..... to select out low energy X-rays. **1.all** **2.filters (Right)** **3.slippers** **4.walkers**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
129	1815628 Unit : 1, Group : 2	When an electron passes near the nucleus its path is deflected. Energy lost is emitted as a X-ray photon. **1.false** **2.true (Right)** **3.** **4.**
130	1815629 Unit : 1, Group : 2	a high energy electron collides with an inner shell electron **1.FALSE** **2.TRUE (Right)** **3.** **4.**
131	1815630 Unit : 2, Group : 1	czech word robota mean..... **1.Labour (Right)** **2.layout** **3.like** **4.none**
132	1815631 Unit : 2, Group : 1	Links are the parts of **1.Actuators** **2.all** **3.Effectors** **4.Robot body (Right)**
133	1815632 Unit : 2, Group : 1	Links are of two types **1.NO** **2.Not sure** **3.YES (Right)** **4.**
134	1815633 Unit : 2, Group : 1	Robots are a **1.all of above** **2.Artificial machine** **3.Human kind** **4.Programmable machine (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
135	1815634 Unit : 2, Group : 1	Robotics is a branch of **1.mathematics** **2.physics** **3.science** **4.Technology (Right)**
136	1815635 Unit : 2, Group : 1	Robot controlled by a controller **1.FALSE** **2.TRUE (Right)** **3.** **4.**
137	1815636 Unit : 2, Group : 1	The word robot introduced by **1.Karel capek (Right)** **2.Karel mazek** **3.Karel roy** **4.Suzimo capek**
138	1815637 Unit : 2, Group : 1	The word robotics was firstly used in **1.1921** **2.1941 (Right)** **3.1945** **4.1981**
139	1815638 Unit : 2, Group : 1	The word robotics was used first by the writer **1.Isaac Asimov (Right)** **2.Isaac nazimo** **3.Isaac suzimo** **4.none**
140	1815639 Unit : 2, Group : 1	AI is **1.Artificial infrastructure** **2.Artificial Intelligence (Right)** **3.Artificial Investigation** **4.none**
141	1815640 Unit : 2, Group : 1	Plate reading done by robots in the field of..... **1.Engineering** **2.Microbiology (Right)** **3.Physics** **4.Science**
142	1815641 Unit : 2, Group : 1	Input links and output links are the part of robot body **1.false** **2.true (Right)** **3.** **4.**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
143	1815642 Unit : 2, Group : 1	Input links and output links are the part of robot anatomy **1.CANT SAY** **2.RIGHT (Right)** **3.WRONG** **4.**
144	1815643 Unit : 2, Group : 1	Joints are the part of robot anatomy **1.FALSE** **2.TRUE (Right)** **3.** **4.**
145	1815644 Unit : 2, Group : 1	Input links and output links are the part of CONTROLLER **1.NOT SURE** **2.RIGHT** **3.WRONG (Right)** **4.**
146	1815645 Unit : 2, Group : 1	Joints are the part of robot sensor **1.CANT SAY** **2.NO (Right)** **3.YES** **4.**
147	1815646 Unit : 2, Group : 1	HUMANOID IS **1.ALL** **2.DEVICE** **3.MACHINE** **4.ROBOT (Right)**
148	1815647 Unit : 2, Group : 1	HUMANOID ROBOT IS **1.ALL** **2.ANIMAL BASED** **3.HUMAN BASED (Right)** **4.PLANT BASED**
149	1815648 Unit : 2, Group : 1	HUMANOID IS **1.ALL** **2.CLEVER** **3.DULL** **4.INTELLIGENT (Right)**
150	1815649 Unit : 2, Group : 1	HUMANOID IMITATES **1.ALL** **2.DEVICE** **3.HUMAN KIND (Right)** **4.MACHINE**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
151	1815650 Unit : 2, Group : 1	UAVs are **1.all** **2.Unmanned Aerial Vehicle (Right)** **3.Unmanned And Vehicle** **4.Unwanted Aerial Vehicle**
152	1815651 Unit : 2, Group : 1	Biorobotics is **1.Bioinspired** **2.Biological based (Right)** **3.Biometric** **4.none**
153	1815652 Unit : 2, Group : 1	Biorobotics is act of using robots in **1.Biological labs (Right)** **2.hospital** **3.industry** **4.none**
154	1815653 Unit : 2, Group : 1	URSULA **1.A FEMALE ROBOT (Right)** **2.A MALE ROBOT** **3.** **4.**
155	1815654 Unit : 2, Group : 1	ACTROID is a type of **1.all** **2.android** **3.Human copied** **4.Humanoid robot (Right)**
156	1815655 Unit : 2, Group : 1	ACTROID developed by **1.Both a and b** **2.none** **3.OSAKA UNIVERSITY (Right)** **4.OZAKI UNIVERSITY**
157	1815656 Unit : 2, Group : 1	HUMANOID IS A **1.ALL** **2.ANDROID (Right)** **3.DEVICE** **4.MACHINE**
158	1815657 Unit : 2, Group : 1	ACTROID manufactured by **1.KOKORO Company (Right)** **2.KOZAKO Company** **3.none** **4.ZUMAKO company**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
159	1815701 Unit : 2, Group : 1	BCI is **1.BRAIN COLOR INTER** **2.BRAIN COMPUTER INTERFACE (Right)** **3.BRAIN CONCEPT INTERCEPTION** **4.BRAIN CONTRAST INTERFACE**
160	1815702 Unit : 2, Group : 1	R and D is **1.all** **2.Research and Department** **3.Research and Development (Right)** **4.Rival and Departure**
161	1815703 Unit : 2, Group : 1	Each joint is connected to **1.1 link** **2.2 links (Right)** **3.3 links** **4.all**
162	1815704 Unit : 2, Group : 1	Joints are of **1.2 types** **2.5 types (Right)** **3.8 types** **4.none**
163	1815705 Unit : 2, Group : 1	Type 0 joint is **1.none** **2.organic** **3.orthodemic** **4.orthogonal (Right)**
164	1815706 Unit : 2, Group : 1	What is the name for information sent from robot sensors to robot controllers? **1. signal** **2.feedback (Right)** **3.pressure** **4.temperature**
165	1815707 Unit : 2, Group : 1	Which of the following terms refers to the rotational motion of a robot arm? **1.angle** **2.axle** **3.retrograde** **4.roll (Right)**
166	1815708 Unit : 2, Group : 1	What is the name for the space inside which a robot unit operates? **1. danger zone** **2.exclusion zone** **3.spatial base** **4.work envelop (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
167	1815709 Unit : 2, Group : 1	Which of the following terms IS NOT one of the five basic parts of a robot? **1.controller** **2.end effectors** **3.peripheral tools (Right)** **4.sensor**
168	1815710 Unit : 2, Group : 1	The number of moveable joints in the base, the arm, and the end effectors of the robot determines ..... ? **1.degrees of freedom (Right)** **2.none** **3.operational limits** **4.payload capacity**
169	1815711 Unit : 2, Group : 1	For a robot unit to be considered a functional industrial robot, typically, how many degrees of freedom would the robot have? **1.eight** **2.six (Right)** **3.ten** **4.three**
170	1815712 Unit : 2, Group : 1	Which of the basic parts of a robot unit would include the computer circuitry that could be programmed to determine what the robot would do? **1.arm** **2.controller (Right)** **3.end effector** **4.sensor**
171	1815713 Unit : 2, Group : 1	If a robot can alter its own trajectory in response to external conditions, it is considered to be: **1.intelligent (Right)** **2.mobile** **3.none** **4.open loop**
172	1815714 Unit : 2, Group : 1	One of the leading American robotics centers is the Robotics Institute located at: **1.CMU (Right)** **2.MIT** **3.RAND** **4.SRI**
173	1815715 Unit : 2, Group : 1	Which of the following robots are FULLY autonomous robots: **1.MARs Rover Spirit** **2.Minerva (Right)** **3.none** **4.Ventana ROV (for Underwater jelly-tracking)**
174	1815716 Unit : 2, Group : 1	Isaac Asimov wrote his groundbreaking more than 60 years ago and it's still the latest word in some aspects of **1.all** **2.Engineering** **3.Robotics (Right)** **4.Technology**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
175	1815717 Unit : 2, Group : 1	Type of robots used for sterilization purpose **1.all** **2.Entertainment robots** **3.Industrial robots (Right)** **4.Space robots**
176	1815718 Unit : 2, Group : 1	R Type joint **1.Revolutionary one** **2.Revolving one** **3.Rotational one (Right)** **4.Round one**
177	1815719 Unit : 2, Group : 1	HUMAN BASED ROBOT IS A **1.GUIDE FOR HUMAN (Right)** **2.MOVABLE** **3.NONE** **4.NOT A GUIDE**
178	1815720 Unit : 2, Group : 1	EFFECTORS ARE THE PART OF **1.ARTIFICIAL TEXTURE** **2.FLUID MECHANICS** **3.PHYSICAL STRUCTURE** **4.ROBOT ANATOMY (Right)**
179	1815721 Unit : 2, Group : 1	Cleaning done by **1.aircraft** **2.all** **3.industrial robots (Right)** **4.space one**
180	1815722 Unit : 2, Group : 1	Industrial robot is utilized for **1.all (Right)** **2.cleaning** **3.quality checking** **4.sterilization**
181	1815723 Unit : 2, Group : 1	BioRobotics also utilized for **1.all** **2.Genetic engineering (Right)** **3.infrastructure** **4.Physical chemistry**
182	1943236 Unit : 2, Group : 1	Nano sized polymers built from branched units are called _____ **1. Dendrimers (Right)** **2.Composites** **3.Carbon-based materials** **4.Metal-based materials**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
183	1943251 Unit : 2, Group : 1	The colour of the nano gold particles is _____ **1.Yellow** **2.Orange** **3.Red** **4.Variable (Right)**
184	1924372 Unit : 2, Group : 1	The synthesized magnetic nano particles from _____ have been found to self-arrange automatically **1.Zinc** **2.Copper** **3.Iron (Right)** **4.Zirconium**
185	1924385 Unit : 2, Group : 1	The nano particles from iron and palladium are used to produce _____ **1.Magnets** **2.Magnetic lens** **3. Magneto meters** **4. Magnetic storage devices (Right)**
186	1924402 Unit : 2, Group : 1	_____is the field in which the nano particles are used with silica coated iron oxide iron oxide. **1.Magnetic applications** **2. Electronics** **3.Medical diagnosis (Right)** **4.Structural and mechanical materials**
187	1924424 Unit : 2, Group : 1	DNA detection through the _____ by using the oligonucleotide functionalised gold nano crystals is developed. **1.Colorimetric (Right)** **2.Diathermy** **3.Electro therapy** **4.Treatment tables**
188	1924441 Unit : 2, Group : 1	Due to _____ tensile strength some of the nano materials are used in air crafts. **1.High (Right)** **2.Low** **3.Moderate** **4.No**
189	1943506 Unit : 2, Group : 1	What are synthesis methods of magnetic nanoparticles **1.Co-precipitation** **2.Thermal decomposition** **3.Microemulsion** **4.Flame spray synthesis** **5.All of the above (Right)**

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QNo	Question Id	Question Description
190	1943535 Unit : 2, Group : 1	What are the applications of magnetic nanoparticles **1.Magnetic separation** **2.Diagnostics** **3.Sensors** **4.Drug delivery** **5.None** **6.1,2,3,4 (Right)**
191	1943568 Unit : 2, Group : 1	What are properties of gold nanoparticles **1.Redox Activity** **2.Surface enhanced Raman Scattering** **3.Surface Plasmon Resonance** **4.All of the above (Right)**
192	1943601 Unit : 2, Group : 1	**citrate acts both as the reducing agent and colloidal stabilizer for gold nanoparticle synthesis** **1.True (Right)** **2.False** **3.** **4.**
193	1943629 Unit : 2, Group : 1	Turkevich method was refined in which year **1.1980s** **2.1970s (Right)** **3.1990s** **4.1950s**
194	1924607 Unit : 2, Group : 1	The solvent evolves towards the formation of an inorganic continuous network containing a _____ **1.Gaseous phase** **2. Gel (Right)** **3.Solid phase** **4. Semi solid phase**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
195	1940094 Unit : 2, Group : 1	The full form of STM is... **1. Scanning Tunneling Microscope (Right)** **2.Scientific Technical Microscope** **3.Systematic Technical Microscope** **4.Scientific Technical Microscope**
196	1942661 Unit : 2, Group : 1	What does 'F' stand for in AFM? **1.Fine** **2.Front** **3.Flux** **4.Force (Right)**
197	1815724 Unit : 2, Group : 2	The word ‘ceramic’ meant for _ **1. burnt material (Right)** **2.dry material** **3.hard material** **4.soft material**
198	1815757 Unit : 2, Group : 2	(IOLs) **1.interlocular lense** **2.intra Obnermal lenses** **3.intraocular lenses (Right)** **4.Iterocular lense**
199	1815758 Unit : 2, Group : 2	Stress = **1.a and b** **2.A/F** **3.F/A (Right)** **4.none**
200	1815759 Unit : 2, Group : 2	Stress is measured in **1. Pascals. (Pa) (Right)** **2.meter** **3.newton** **4.watt**
201	1815760 Unit : 2, Group : 2	The *maximum stress a material can withstand*. It is also known as **1. ‘Fracture ‘.** **2. ‘Fracture Stress‘. (Right)** **3.none** **4.strength**
202	1815761 Unit : 2, Group : 2	*Elastic Modulus*: **1.Ratio of force over strain (Stress/Strain)** **2.Ratio of shear over strain (Stress/Strain)** **3.Ratio of strengths over strain (Stress/Strain)** **4.Ratio of stress over strain (Stress/Strain) (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
203	1815762 Unit : 2, Group : 2	Ratio of stress over strain (Stress/Strain) **1.(Stress/Strain)** **2.ELASTIC MOBILITY** **3.ELASTIC MODULOUS (Right)** **4.ELASTIC PLASTICITY**
204	1815763 Unit : 2, Group : 2	Ratio of stress over strain (Stress/Strain) indicating the **1.plasticity property of a material** **2.rigidity of a material (Right)** **3.strain of a material** **4.tensile of a material**
205	1815764 Unit : 2, Group : 2	Stress/strain indicates rigidity of a ..... **1.bone** **2.Material (Right)** **3.none** **4.tendon**
206	1815765 Unit : 2, Group : 2	Degree to which a material can be permanently extended by a tensile force without breaking **1.Ductility (Right)** **2.mobility** **3.none** **4.Plasticity**
207	1815766 Unit : 2, Group : 2	Ductility is known as **1.Degree to which a material can be permanently extended by a tensile force with breaking** **2.Degree to which a material can be permanently pulled by a tensile force without breaking** **3.none** **4.The Degree to which a material can be permanently extended by a tensile force without breaking (Right)**
208	1815767 Unit : 2, Group : 2	Biomaterial should be **1.bio based** **2.Biocompatible (Right)** **3.biological** **4.immunologic**
209	1815768 Unit : 2, Group : 2	The *ability of a material to resist fracture when a crack is present*. **1.Fracture** **2.Fracture tensile** **3.Fracture Toughness (Right)** **4.strength**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
210	1815769 Unit : 2, Group : 2	Fracture Toughness **1.all** **2.The ability of a material to resist fracture when a crack is absent.** **3.The ability of a material to resist fracture when a crack is not present.** **4.The ability of a material to resist fracture when a crack is present. (Right)**
211	1815771 Unit : 2, Group : 2	The *ability of a material to withstand very rapidly increased stress*. **1.EC** **2.Impact ability** **3.Impact strength (Right)** **4.modulous power**
212	1815772 Unit : 2, Group : 2	The *effect on a material when it is subjected to intermittent stresses over a long period of time*. **1.FATIGUE (Right)** **2.PLASTICITY** **3.POWER** **4.TENSILE**
213	1815773 Unit : 2, Group : 2	Erosion **1.all of above** **2.The loss of surface caused by striking particles** **3.The loss of surface material caused by particles** **4.The loss of surface material caused by striking particles (Right)**
214	1815774 Unit : 2, Group : 2	The reduction *of surface material caused by striking particles is known as* **1.ability** **2.erosion (Right)** **3.Fatigue** **4.permeability**
215	1815775 Unit : 2, Group : 2	Elasticity **1.The ability of a material to undergo full elastic loss immediately after removal of an applied load.** **2.The ability of a material to undergo full elastic recovery immediately after removal of an applied load. (Right)** **3.The ability of a material to undergo full elastic recovery slowly after removal of an applied load.** **4.The ability of a material to undergo partial elastic recovery immediately after removal of an applied load.**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
216	1815776 Unit : 2, Group : 2	The extent of deformation caused by the load is shown by the ..... of the material. **1.Elastic Mod** **2.Elastic Modulus (Right)** **3.Elastic proper** **4.none**
217	1815777 Unit : 2, Group : 2	The extent of deformation caused by the load is shown by the Elastic Modulus of the material. **1.FALSE** **2.TRUE (Right)** **3.** **4.**
218	1815778 Unit : 2, Group : 2	The extent of deformation caused by the load is shown by the elasticity of the material. **1.FALSE (Right)** **2.TRUE** **3.** **4.**
219	1815779 Unit : 2, Group : 2	The extent of deformation caused by the load is shown by the TENSILE STRENGTH of the material. **1.cant say** **2.not sure** **3.Right statement** **4.Wrong statement (Right)**
220	1815780 Unit : 2, Group : 2	In the early 1900’s bone plates were successfully implemented to stabilize bone fractures and to accelerate their healing. **1.all** **2.NO** **3.NOT SURE** **4.YES (Right)**
221	1815781 Unit : 2, Group : 2	Biomaterial is **1.a and b** **2.carcinogenic** **3.non toxic** **4.Toxic (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
222	1815782 Unit : 2, Group : 2	Where a foreign body (e.g., an implant) is present in the wound site (surgical incision), the reaction sequence is referred to as the "foreign body reaction. **1.Correct statement (Right)** **2.Incorrect statement** **3.** **4.**
223	1815783 Unit : 2, Group : 2	Where a foreign body (e.g., an implant) is present in the wound site (surgical incision), the reaction sequence is referred to as the "body reaction. **1.right** **2.wrong (Right)** **3.** **4.**
224	1815784 Unit : 2, Group : 2	Biomaterial is a **1.It is a iable material used in a medical device.** **2.It is a non viable material used in a medical device, intended to interact with biological system. (Right)** **3.It is a non viable material used to interact with non biological system.** **4.It is a viable material used in a medical device, intended to interact with biological system.**
225	1815860 Unit : 2, Group : 2	Not a characteristic property of ceramic material **1. low hardness (Right)** **2.high mechanical strength** **3.high temperature stability** **4.low elongation**
226	1815861 Unit : 2, Group : 2	Major ingredients of traditional ceramics **1. all (Right)** **2. feldspar** **3.clay** **4.silica**
227	1815862 Unit : 2, Group : 2	The following ceramic product is mostly used as pigment in paints **1. SiO2** **2. UO2** **3.TiO2 (Right)** **4.ZrO2**
228	1815863 Unit : 2, Group : 2	Most commercial glasses consist of **1. all (Right)** **2. lime** **3. soda** **4.silica**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
229	1815864 Unit : 2, Group : 2	The word 'polymer' meant for material made from _____ **1. Single entity** **2.Any entity** **3.Multiple entities (Right)** **4.Two entities**
230	1815865 Unit : 2, Group : 2	One of characteristic properties of polymer material _ **1. High mechanical strength** **2.High elongation (Right)** **3.High temperature stability** **4.Low hardness**
231	1815866 Unit : 2, Group : 2	Polymers are _____ in nature. **1. Both (a) and (Right)** **2. Organic** **3.Inorganic** **4.none**
232	1815867 Unit : 2, Group : 2	polymer consist of **1.anomers** **2.epimers** **3.monomers (Right)** **4.polymers**
233	1815868 Unit : 2, Group : 2	These polymers can not be recycled: **1.All polymers** **2.Elastomers** **3.Thermoplasts** **4.Thermosets (Right)**
234	1815869 Unit : 2, Group : 2	In general, strongest polymer group is __ **1. Thermoplasts** **2.Elastomers** **3.Epimers** **4.Thermosets (Right)**
235	1897502 Unit : 2, Group : 2	Based on the important category, concrete and fibre glass are the examples of **1.Ceramics** **2.Polymers** **3.Composites (Right)** **4.Semi-conductors**
236	1897506 Unit : 2, Group : 2	Which of the following is not an inorganic functional material? **1.Ferroelectric** **2.Reverse micelles (Right)** **3.Magnetic field sensor** **4.Light detectors**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
237	1897533 Unit : 2, Group : 2	Which of the following is not an aerospace material? **1.Plastics** **2.Silica** **3. Aluminium alloys** **4.Polymers (Right)**
238	1897550 Unit : 2, Group : 2	Select the incorrect statement from the following option. **1.Metals are extremely good conductors of heat and electricity** **2.The properties of metal degrade rapidly with temperature** **3.Metals have poor corrosion resistant** **4.A polished metal surface has a dull appearance (Right)**
239	1897556 Unit : 2, Group : 2	Which one of the following is the best heat and corrosion resistant material? **1.Metals** **2. Ceramics (Right)** **3.Polymers** **4.Semi-conductors**
240	1897562 Unit : 2, Group : 2	Polymers are used in the chemical industry because of their _____ **1. Inert nature (Right)** **2.Light weight** **3.Low cost** **4.Easiness in fabricability**
241	1897568 Unit : 2, Group : 2	Select the incorrect statement from the following option. **1.Composites are optically opaque materials** **2.Carbon fiber reinforced composite materials are not used in space vehicles (Right)** **3.Re-cyclability of composite material is poor** **4.Processing of composite material is difficult**
242	1897572 Unit : 2, Group : 2	Which type of material expands and contract in response to an applied electric field? **1.Advanced material** **2.Smart material (Right)** **3.Biomaterial** **4.Nanomaterial**
243	1897576 Unit : 2, Group : 2	Which one of the following is non-linear material? **1.Zirconium oxide** **2. Magnetite** **3.Maghemite** **4.Lithium niobate (Right)**
244	1897582 Unit : 2, Group : 2	Which of the following is not an application of nanomaterials? **1.TV and computer monitors** **2.Cardiology (Right)** **3.Magnetic Resonance Imaging (MRI)** **4.Sunscreens and fuel cells**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
245	1897589 Unit : 2, Group : 2	Composite materials are classified based on: **1.Type of matrix** **2. Size-and-shape of reinforcement** **3.Both (Right)** **4.None**
246	1897595 Unit : 2, Group : 2	Major load carrier in dispersion-strengthened composites **1. Matrix (Right)** **2.Fiber** **3. Both** **4.Can't define**
247	1897599 Unit : 2, Group : 2	Usually softer constituent of a composite is **1.Matrix (Right)** **2.Reinforcement** **3.Both are of equal strength** **4.Can't define**
248	1897604 Unit : 2, Group : 2	Usually stronger constituent of a composite is **1.Matrix** **2. Reinforcement (Right)** **3.Both are of equal strength** **4.Can't define**
249	1897611 Unit : 2, Group : 2	Last constituent to fail in fiber reinforced composites **1.Matrix (Right)** **2.Fiber** **3.Both fails at same time** **4.Can't define**
250	1897619 Unit : 2, Group : 2	Mechanical properties of fiber-reinforced composites depend on **1. Properties of constituents** **2. Interface strength** **3.Fiber length, orientation, and volume fraction** **4.All the above (Right)**
251	1897625 Unit : 2, Group : 2	The word 'ceramic' meant for _____. **1.soft material** **2. hard material** **3. burnt material (Right)** **4.dry material**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
252	1815690 Unit : 2, Group : 2	**Bio material-** It is a **1. non viable material (Right)** **2.a and b** **3.none** **4.viable**
253	1815691 Unit : 2, Group : 2	**Bio material-** It is a **non viable material** used in a medical device, intended to interact with **1.all** **2.biological system. (Right)** **3.non biological** **4.physiological**
254	1815692 Unit : 2, Group : 2	The only alternate to artificial implants is transplantation of organs such as **1.all of these** **2.heart, kidney etc (Right)** **3.liver eye** **4.lungs kidney**
255	1815693 Unit : 2, Group : 2	Bone cement **1.none of above** **2.Poly(methyl)** **3.Poly(methyl acrylate)** **4.Poly(methyl methacrylate) (Right)**
256	1815694 Unit : 2, Group : 2	Artificial tendon and ligament **1.ALL** **2.Dacron** **3.Seflon, Dacron** **4.Teflon, Dacron (Right)**
257	1815695 Unit : 2, Group : 2	Contact Lens **1.ALL** **2.hydrogel** **3.Silicone-acrylate** **4.Silicone-acrylate,hydrogel (Right)**
258	1815696 Unit : 2, Group : 2	Artificial Heart development **1.M.J.Kolff** **2.NONE** **3.W.J.KELLERl** **4.W.J.Kolff (Right)**
259	1815697 Unit : 2, Group : 2	Heart valve developed by **1. M.I.Edwards (Right)** **2. W.J.Edwards** **3.NONE** **4.W.I.Edwards**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
260	1815698 Unit : 2, Group : 2	More than ..... replacement valves are implanted each year in the United States . **1.8,000** **2.80** **3.80,000 (Right)** **4.800**
261	1815699 Unit : 2, Group : 2	More than 80,000 replacement valves are implanted each year in the..... . **1.INDIA** **2.UNITED STATES (Right)** **3.WEST INDIES** **4.ZIMBABWE**
262	1815700 Unit : 2, Group : 2	A variety of intraocular lenses (IOLs) have been fabricated of ..... **1.NONE** **2.poly methacrylate,** **3.poly methyl** **4.poly methyl methacrylate, (Right)**
263	1815744 Unit : 3, Group : 1	The collection of proteins that can be produced by a given species is: **1.ALL** **2.Called the proteome.** **(Right)** **3.Considered that species' genetic complement.** **4.Correlated with the size of the organism.**
264	1815745 Unit : 3, Group : 1	A cDNA library: **1.AL (Right)** **2.Can also be called an expressed sequence tag (EST) library.** **3.Consists of coding sequences from genes that are expressed.** **4.s specific to the set of conditions under which the original mRNA was generated.**
265	1815746 Unit : 3, Group : 1	The technique of subtractive hybridization allows identification of genes that are selectively activated under a certain set of conditions. **1.False** **2.True** **(Right)** **3.** **4.**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
266	1815747 Unit : 3, Group : 1	single microarray may have a surface area of less than three square inches, yet may contain unique spots of tens of thousands of gene sequences. **1.False** **2.True (Right)** **3.** **4.**
267	1815748 Unit : 3, Group : 1	Which of these might be an advantage to genetic testing of individuals via microarrays? **1.Expression patterns of many different genes can be analyzed simultaneously.** **2.In many cases, critical information about characteristics of a bacterium causing an infection needs to be immediately available. (Right)** **3.Infection by different strains of bacteria may require different therapeutic approaches.** **4.Many different potential mutations in a single gene could be tested at once.**
268	1815749 Unit : 3, Group : 1	A cluster analysis is the study of groups of genes that seem to be regulated together. **1.False** **2.True (Right)** **3.** **4.**
269	1815750 Unit : 3, Group : 1	In two dimensional gel electrophoresis **1. Up to about a hundred different proteins can be distinguished from each other.** **2.All of these.** **3.Different forms of the same protein will tend to migrate at the same position.** **4.None of these. (Right)** **5.Proteins with similar functions will be located near each other.**
270	1815751 Unit : 3, Group : 1	How many potential open reading frames are present in a DNA sequence? **1.One.** **2.seven** **3.six (Right)** **4.two**
271	1815752 Unit : 3, Group : 1	Identification of a gene that does not fit the typical patterns for eukaryotic gene structure would not have a dramatic effect on bioinformatics. **1.False (Right)** **2.True** **3.** **4.**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
272	1815753 Unit : 3, Group : 1	A multiple sequence alignment of related genes can identify amino acids required for protein function. **1.False** **2.True** **(Right)** **3.** **4.**
273	1815754 Unit : 3, Group : 1	With the use of BLAST, you can possibly correctly identify a species or find homologous species **1.CANT SAY** **2.FALSE** **3.TRUE (Right)** **4.**
274	1815755 Unit : 3, Group : 1	BLAST can locate common genes in two related species, **1.FALSE** **2.TRUE (Right)** **3.** **4.**
275	1815756 Unit : 3, Group : 1	In bioinformatics, a **sequence alignment** is a way of arranging the sequences of DNA, RNA, or protein to identify regions of similarity that may be a consequence of functional,structural, or evolutionary relationships between the sequences. **1.FALSE** **2.TRUE (Right)** **3.** **4.**
276	1897682 Unit : 3, Group : 1	Tissue engineering is developed invitro.” **1. True (Right)** **2.False** **3.Can't define** **4.None**
277	1897688 Unit : 3, Group : 1	Hyaline is characterized by its: **1.White appearance** **2.Glassy appearance (Right)** **3.Red appearance** **4.Crystal appearance**
278	1897693 Unit : 3, Group : 1	Tissue engineering increases the risk of fatality of the experimental animals **1.True** **2.False (Right)** **3.can't define** **4.None**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
279	1897725 Unit : 3, Group : 1	An ocular prosthesis or artificial eye is a type of_____that replaces an absent natural eye following an enu evisceration, or orbital exenteration. **1.craniofacial prosthesis (Right)** **2.Prosthesis** **3.Implantology** **4.cardiology**
280	1897733 Unit : 3, Group : 1	A few ocular prostheses t made of _____ **1.cryolite glass (Right)** **2.silica** **3.quartz** **4.Lime**
281	1897747 Unit : 3, Group : 1	artificial eyes were made of enameled metal or _____ and cloth and worn outside the socket. **1.clay** **2.painted clay (Right)** **3.sand** **4. marshy soils**
282	1897766 Unit : 3, Group : 1	What kind of medical conditions are responsible for removal of eye **1.Retinoblastoma** **2.trauma** **3.uveitis** **4.All (Right)**
283	1897775 Unit : 3, Group : 1	Contact Lenses are basically used to treat what kind of illness **1.mild ametropia (Right)** **2.Concave focal length** **3.Convex curvature** **4.None**
284	1897786 Unit : 3, Group : 1	RGP (rigid gas permeable) contact lenses are made up of **1.modulous elastic** **2.co polymerization of methyl methacrylate with methacrylate (Right)** **3.co polymerization of methyl methacrylate with acryamide** **4.None**
285	1897811 Unit : 3, Group : 1	Keratoprosthesis is_____ **1.permanent indwelling device** **2.use melt blown polyoliefins** **3.None** **4.Both A and B (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
286	1897818 Unit : 3, Group : 1	_____used to replace the diseased or blocked blood vessels are called vascular grafts. **1.conduits (Right)** **2.arteries** **3.veins** **4.None**
287	1897830 Unit : 3, Group : 1	Large caliber vascular grafts having diameter of_____ **1.20 mm** **2.8 mm (Right)** **3.5 mm** **4.20 mmm**
288	1815870 Unit : 3, Group : 1	TheSmith–Waterman algorithm is a general local alignment **1.FALSE** **2.TRUE (Right)** **3.** **4.**
289	1815871 Unit : 3, Group : 1	The.....is a general local alignment **1.a and b** **2.a only (Right)** **3.Needleman-wunsch** **4.Smith–Waterman algorithm**
290	1815872 Unit : 3, Group : 1	Smith–Waterman algorithm **1.a and b** **2.Global** **3.local (Right)** **4.none**
291	1815873 Unit : 3, Group : 1	MSA **1.Maniitol salt agar** **2.Multiple seervice alignment** **3.Multiple sequence alignment (Right)** **4.none**
292	1815874 Unit : 3, Group : 1	Multiple sequence alignment is an extension of pairwise alignment to incorporate more than two sequences at a time. **1.FALSE** **2.TRUE (Right)** **3.** **4.**
293	1815875 Unit : 3, Group : 1	Define MSA **1.Multiple sequence alignment is an extension of pairwise alignment to incorporate more than two sequences at a time. (Right)** **2.Multiple sequence alignment is an extension of pairwise alignment to incorporate ONE sequence at a time.** **3.Multiple sequence alignment is an extension of pairwise alignment to incorporate two sequences at a time.** **4.NONE**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
294	1815876 Unit : 3, Group : 1	.....is one of the most widely used bioinformatics programs for sequence searching **1.A AND B** **2.BLAST (Right)** **3.FASTA** **4.PDB**
295	1815877 Unit : 3, Group : 1	NCBI) **1.National Call for Biotechnology Information** **2.National Center for Biology Information** **3.National Center for Biotechnology Information (Right)** **4.none**
296	1815878 Unit : 3, Group : 1	The BLAST web server, hosted by the **1.ALL** **2.NCBI (Right)** **3.NIH** **4.PDB**
297	1815879 Unit : 3, Group : 1	National Institute of Health **1.NHI** **2.NIH (Right)** **3.NLM** **4.NUH**
298	1815880 Unit : 3, Group : 1	**Nucleotide-nucleotide BLAST** **1.all** **2.blastn (Right)** **3.blastx** **4.tblastn**
299	1815881 Unit : 3, Group : 1	**Protein-protein BLAST** **1.blastn** **2.blastp (Right)** **3.blastx** **4.none of the above**
300	1815882 Unit : 3, Group : 1	**Nucleotide 6-frame translation-protein** **1.(blastn)** **2.(blastx) (Right)** **3.(blastx)n** **4.(tblastx)**
301	1815883 Unit : 3, Group : 1	**Protein-nucleotide 6-frame translation** **1.all** **2.tblastn (Right)** **3.tblastnx** **4.tblastx**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
302	1815884 Unit : 3, Group : 1	**tblastn** **1.all** **2.This program compares a nucleotide query against the all six reading frames of a nucleotide sequence database.** **3.This program compares a protein query against the all six reading frames of a nucleotide sequence database. (Right)** **4.This program does not compares a protein query against the all six reading frames of a nucleotide sequence database.**
303	1815885 Unit : 3, Group : 1	**Large numbers of query sequences** **1.gigablast** **2.megablast (Right)** **3.none** **4.wegablast**
304	1815815 Unit : 3, Group : 1	In bioinformatics, a **sequence alignment** is a way of arranging the sequences of only DNA to identify regions of similarity that may be a consequence of functional,structural, or evolutionary relationships between the sequences. **1.FALSE (Right)** **2.TRUE** **3.** **4.**
305	1815816 Unit : 3, Group : 1	In bioinformatics, a **.....**is a way of arranging the sequences of DNA, RNA, or protein to identify regions of similarity that may be a consequence of functional,structural, or evolutionary relationships between the sequences. **1.none** **2.sequence alignment (Right)** **3.sequence different** **4.sequencing**
306	1815817 Unit : 3, Group : 1	f two sequences in an alignment share a common ancestor, mismatches can be interpreted as point mutations **1.FALSE** **2.TRUE (Right)** **3.** **4.**
307	1815819 Unit : 3, Group : 1	f two sequences in an alignment share a common ancestor, mismatches can be interpreted as ..... **1.a and b both** **2.none** **3.point mutations (Right)** **4.silent mutations**
308	1815820 Unit : 3, Group : 1	Global alignments, which attempt to align every residue in every sequence, are most useful when the sequences in the query set are similar and of roughly equal size **1.FALSE** **2.TRUE (Right)** **3.** **4.**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
309	1815821 Unit : 3, Group : 1	A general global alignment technique is the ..... algorithm, **1.ALL** **2.Need–Wunsch** **3.Needleman** **4.Needleman–Wunsch (Right)**
310	1815844 Unit : 3, Group : 1	**A computer programmer** **1.Can draw only flowchart** **395. Fifth generation computer** **2.Can enter input data quickly** **3.Can operate all types of computer equipments** **4.Does all the thinking for a computer (Right)**
311	1815845 Unit : 3, Group : 1	The brain of any computer system is **1.ALU** **2.CPU (Right)** **3.Memory** **4.none**
312	1815846 Unit : 3, Group : 1	Which of the following computer language is used for artificial intelligence? **1.C** **2.COBOL** **3.FORTRAN** **4.PROLOG (Right)**
313	1815847 Unit : 3, Group : 1	The binary system uses powers of **1.2 (Right)** **2.3** **3.4** **4.6**
314	1815848 Unit : 3, Group : 1	A computer program that converts assembly language to machine language is **1.Assembler (Right)** **2.Compiler** **3.Interpreter** **4.operator**
315	1815849 Unit : 3, Group : 1	A common boundary between two systems is called **1.Interdiction** **2.Interface (Right)** **3.none** **4.Surface**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
316	1815850 Unit : 3, Group : 1	Which computer has been designed to be as compact as possible? **1.Mainframe** **2.Micro computer (Right)** **3.Mini** **4.Super computer**
317	1815851 Unit : 3, Group : 1	BLAST used for **1.data mining** **2.Pairwise alignment (Right)** **3.positioning** **4.sequencing**
318	1815852 Unit : 3, Group : 1	BLAST is basically a **1.a and b both** **2.Alignment tool (Right)** **3.none** **4.Sequencing tool**
319	1815853 Unit : 3, Group : 1	FASTA is a **1.all** **2.language** **3.Sequence format (Right)** **4.Tool**
320	1815854 Unit : 3, Group : 1	FASTA Stands for **1.Both a and b** **2.FAST ALIGNMENT (Right)** **3.FAST ANALYSIS** **4.none**
321	1815855 Unit : 3, Group : 1	In bioinformatics, **BLAST** for **B**asic **L**ocal **A**lignment **S**earch **.....** is analgorithm for comparing primary biological sequence information, such as theamino-acid sequences of different proteins or the nucleotides of DNA sequences **1.none** **2.service** **3.Tool (Right)** **4.work**
322	1815856 Unit : 3, Group : 1	A BLAST search enables a researcher to compare **1.a database** **2.a query sequence (Right)** **3.both** **4.none**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
323	1815857 Unit : 3, Group : 1	Operating system **1.ALL** **2.MS WINDOW (Right)** **3.NCBI** **4.PUBMED**
324	1815827 Unit : 3, Group : 1	Operating system is **1.A collection of hardware components** **2.A collection of input-output devices** **3.A collection of software routines (Right)** **4.none**
325	1897879 Unit : 3, Group : 1	Natural Grafts usually autologous grafts such as **1.sephenous vein from the leg** **2.internal mammary artery** **3.radialartery from arm** **4.All (Right)**
326	1897489 Unit : 3, Group : 2	Which of the following is NOT a change experienced by typical cells undergoing apoptosis? **1.Loss of mitochondrial membrane functions** **2.Cytoskeleton collapses** **3.DNA breaks into fragments** **4.Cell swells and ultimately bursts (Right)**
327	1897494 Unit : 3, Group : 2	The following are soluble molecules used in cell-cell communication **1.Steroid** **2.Cadherins** **3.Nitric oxide** **4.Both A and C (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
328	1815828 Unit : 3, Group : 2	**Which of the following is a nucleotide sequence data base?** **1.EMBL (Right)** **2.PROSITE** **3.SWISS PROT** **4.TREMBL**
329	1815829 Unit : 3, Group : 2	**Which of the following is a nucleotide sequence data base** **1.EMBL (Right)** **2.PROSITE** **3.SWISS PROT** **4.TREMBL**
330	1815830 Unit : 3, Group : 2	**A single piece of information in a database is called** **1.Field (Right)** **2.File** **3.none** **4.Record**

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QNo	Question Id	Question Description
331	1815831 Unit : 3, Group : 2	# Homology & similarity tool **1.BLAST (Right)** **2.FASTA** **3.NONE** **4.RASMOL**
332	1815832 Unit : 3, Group : 2	PDB ID IS OF **1.2 LETTERS** **2.4 LETTERS (Right)** **3.6 LETTERS** **4.7 LETTERS**
333	1815833 Unit : 3, Group : 2	PDB VIEWER **1.NONE** **2.PROT** **3.RASMOL (Right)** **4.SWISS**
334	1815834 Unit : 3, Group : 2	# Characterizing molecular component is **1.all** **2.Bioinformatics (Right)** **3.Cheminformatics** **4.Genomics**
335	1815835 Unit : 3, Group : 2	nlm **1.national laboratory of medicine** **2.national library of medicine (Right)** **3.national library of medlines** **4.national library of molecule**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
336	1815836 Unit : 3, Group : 2	EMBL **1.EUROPEAN MOLECULAR BIOLOGY LABORATORY (Right)** **2.EUROPEAN MOLECULAR BIOTECHNOLOGY LABORATORY** **3.NONE** **4.**
337	1815837 Unit : 3, Group : 2	GI is **1.Gene identification (Right)** **2.Gene Insemination** **3.Generic india** **4.none**
338	1815838 Unit : 3, Group : 2	3D **1.3 dimand** **2.3 Dimensional (Right)** **3.3 dynamic** **4.none**
339	1815839 Unit : 3, Group : 2	field is **1.a and b** **2.a single piece of information in a database (Right)** **3.a single piece of nulear** **4.none**
340	1815840 Unit : 3, Group : 2	NIH is **1.National Industry of Health** **2.National Institute of Health (Right)** **3.National Institute of Human** **4.none**
341	1815841 Unit : 3, Group : 2	E value is **1.Estd value** **2.Estimated value (Right)** **3.Exact value** **4.Exit value**
342	1815842 Unit : 3, Group : 2	NCBI **1.A AND B** **2.NATIONAL CENTRE FOR BIOLOGY INFORMATION** **3.NATIONAL CENTRE FOR BIOTECHNOLOGY INFORMATION (Right)** **4.NONE**
343	1815843 Unit : 3, Group : 2	THE TERM BIOINFORMATICS COINED BY **1.DAYHOFF** **2.J.D WATSON** **3.MARGART** **4.PAULINE HOGEWEG (Right)**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
344	1815785 Unit : 3, Group : 2	**The first bioinformatics database was created by** **1.Dayhoff (Right)** **2.Michael j.Dunn** **3.none** **4.Richard Durbin**
345	1815786 Unit : 3, Group : 2	Dayhoff invented **1.bioinformatics database** **2.none** **3.The first bioinformatics database (Right)** **4.The first database**
346	1815787 Unit : 3, Group : 2	**SWISSPROT protein sequence database began in** **1.1985** **2.1986** **3.1987 (Right)** **4.1988**
347	1815788 Unit : 3, Group : 2	BLAST **1.BASIC LOCAL ALIGNMENT SEARCH TOOL (Right)** **2.BASIC LOCAL ALIGNMENT SERVICE TOOL** **3.BASIC LOCAL APEX SEARCH TOOL** **4.BIG LOCAL ALIGNMENT SEARCH TOOL**
348	1815789 Unit : 3, Group : 2	PDB IS **1.ALL** **2.PRO DATA BAG** **3.PRO DATA BANG** **4.PROTEIN DATA BANK (Right)**

Note: This view may vary from the view shown to student during online Test.

Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
349	1815790 Unit : 3, Group : 2	GENBANK **1.PRIMARY DATABSE (Right)** **2.SECONDARY DATABASE** **3.** **4.**
350	1815792 Unit : 3, Group : 2	FASTA IS **1.A DEVICE** **2.A FORMAT (Right)** **3.A SERVICE TOOL** **4.A TOOL**
351	1815793 Unit : 3, Group : 2	FAST FORMAT STARTS WITH **1.EQUAL TO** **2.GREATER THAN SIGN (Right)** **3.NONE** **4.SMALLER SIGN**
352	1815794 Unit : 3, Group : 2	BLAST IS A **1.FORMAT** **2.NONE OF THESE (Right)** **3.SEQUNCE** **4.SERVICE**
353	1815795 Unit : 3, Group : 2	An example of Homology & similarity tool? **1.ALL** **2.BLAST (Right)** **3.PDB** **4.SWISS PROT**

Note: This view may vary from the view shown to student during online Test.

QNo	Question Id	Question Description
354	1815796 Unit : 3, Group : 2	**The tool for identification of motifs?** **1. PROSPECT** **2.BLAST** **3.COPIA (Right)** **4.NONE**
355	1815797 Unit : 3, Group : 2	**First molecular biology server Expasy in the year?** **1.1991** **2.1992** **3.1993 (Right)** **4.1994**
356	1815798 Unit : 3, Group : 2	**Deposition of cDNA into inert structure is** **1.DNA finingerprinting** **2.DNA microarrays (Right)** **3.DNA polymerase** **4.DNA probes**

Note: This view may vary from the view shown to student during online Test.

QNo	Question Id	Question Description
357	1815799 Unit : 3, Group : 2	Human genome contains about **1.12 billion base pairs** **2.2 billion base pairs** **3.2.5 billion base pairs** **4.3 billion base pairs (Right)**
358	1815800 Unit : 3, Group : 2	3 billion base pairs PRESENT IN **1.fish genome** **2.horse genome** **3.Human genome (Right)** **4.none**
359	1815801 Unit : 3, Group : 2	The identification of drugs through genomic study **1.Cheminformatics** **2.Genomics** **3.NONE** **4.Pharmagenomics (Right)**
360	1815802 Unit : 3, Group : 2	Analysing or comparing entire genome of species **1.Bioinformatics** **2.Genomics (Right)** **3.proteomics** **4.**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
361	1815803 Unit : 3, Group : 2	Bioinformatics **1.a and b** **2.all** **3.computer and biology** **4.computer mathematics and biology (Right)**
362	1815804 Unit : 3, Group : 2	**BLOSUM matrices are used for |** **1.Multiple sequence alignment** **2.pairwise sequence alignment (Right)** **3.** **4.**
363	1815805 Unit : 3, Group : 2	**Which is data retrieving tool?** **1.EMBL** **2.ENTREZ (Right)** **3.none** **4.PHD**
364	1815806 Unit : 3, Group : 2	**PDB is** **1.can be determined by gel electrophoresis** **2.composite database** **3.none** **4.Primary database for macromolecules (Right)**
365	1815807 Unit : 3, Group : 2	**'FASTA' was published by** **1.Altschul et al (Right)** **2.Joseph Sambrook** **3.Pearson and Lipman** **4.Sanger**
366	1815808 Unit : 3, Group : 2	**GeneBank and SWISSPORT are example of** **1.all** **2.composite database** **3.primary database (Right)** **4.secondary databse**
367	1815809 Unit : 3, Group : 2	**BLAST X program is used for** **1.none of these** **2.translate DNA databse** **3.translate input sequence (Right)** **4.translate protein sequence**

Note: This view may vary from the view shown to student during online Test.

Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
368	1815810 Unit : 3, Group : 2	**Information of all known nucleotide and protein sequences are available on** **1.ALL (Right)** **2.DDBJ** **3.EMBL** **4.NCBI**
369	1815811 Unit : 3, Group : 2	Primary database **1.ALL** **2.ENTREZ** **3.Genbank (Right)** **4.NCBI**
370	1815812 Unit : 3, Group : 2	**Two-dimensional gels are used to** **1.NONE** **2.separate different proteins (Right)** **3.separate DNA fragments** **4.separate RNA fragments**

Note: This view may vary from the view shown to student during online Test.

Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
371	1815813 Unit : 3, Group : 2	**Your lab partner is using BLAST, and his best E value is 3. This means that** **1.he's found 3 proteins in the database that have the same sequence as his protein.** **2.the chance that these similarities arose due to chance is one in 10^3.** **3.the match in amino acid sequencs is perfect, except for the amino acids at 3 positions.** **the match in amino acid sequencs is perfect, except for the amino acids at 3 positions.** **the match in amino acid sequencs is perfect, except for the amino acids at 3 positions.** **the match in amino acid sequencs is perfect, except for the amino acids at 3 positions.** **the match in amino acid sequencs is perfect, except for the amino acids at 3 positions.** **4.there would be 3 matches that good in a database of this size by chance alone. (Right)**
372	1815814 Unit : 3, Group : 2	**You see that your lab partner is staring at a colorful Swiss-Prot page. He's probably trying to** **1.determine how many harmful mutations have been reported in a certain gene.** **2.find out structural and functional information about a protein he's identified. (Right)** **3.NONE** **4.translate a DNA segment into protein.**

Note: This view may vary from the view shown to student during online Test.

QNo	Question Id	Question Description
373	1815822 Unit : 3, Group : 2	BLAST programme is used in **1.Amino acid sequencing** **2.Bioinformatics (Right)** **3.DNA bar coding** **4.DNA sequencing**
374	1815823 Unit : 3, Group : 2	PAM is **1.NONE** **2.POINT ACCEPTED MUTATION (Right)** **3.POINT ACTUAL MUTATION** **4.POINT ACTUATED MUTATION**
375	1815824 Unit : 3, Group : 2	BLOSSUM IS **1.BLOCK SUBSTITUTION MATRIX (Right)** **2.BLOCK SUBSTITUTION METRIC** **3.BLOCK SUPERSCRIPT MATRIX** **4.BUILD SUBMISSION MATRIX**
376	1815825 Unit : 3, Group : 2	SWISS PORT is related to **1.Portable data** **2.Sequence data bank (Right)** **3.Sequence sequence data** **4.Swiss Bank data**
377	1815826 Unit : 3, Group : 2	Pair wise sequence alignment DONE BY **1.BLOSUM matrices (Right)** **2.both a and b** **3.none** **4.PAM Matrices**

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Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
378	1897972 Unit : 3, Group : 2	Tissue engineering requires a porous scaffold that will serve as both_____ **1.substrate** **2.growth** **3.substrate and growth (Right)** **4.None**
379	1897981 Unit : 3, Group : 2	Carbon nanotubes have been proposed for use in tissue engineering **1.Conduct electricity** **2.chemically stable** **3.mechanical strength** **4.All (Right)**
380	1897987 Unit : 3, Group : 2	Different materials have been investigated in order to construct scaffolds such as_____ **1.polymers (PLA, PGA, PCL, PEG),** **2.bioactive ceramics (HA, TCP)** **3.(Collagen, GAGs, Chitosan).** **4.All (Right)**
381	1897993 Unit : 3, Group : 2	Construction of functional scaffolds require **1.architecture** **2.cyto and tissue compatibility** **3.bioactivity** **4.All (Right)**
382	1897999 Unit : 3, Group : 2	Scaffold synthesis can be done by **1.Nanofiber self-assembly** **2.Textile technologies** **3.Freeze- drying** **4.All (Right)**
383	1898335 Unit : 3, Group : 2	Scaffold success should be standardised by using: **1.quantitate scaffold cell survival** **2.ascertain the differentiated status of successfully engrafted cells** **3.None** **4.Both A and B (Right)**
384	1898353 Unit : 3, Group : 2	Carbon nano tubes should be used for **1.Neural tissue engineering** **2.Cardiac Tissue engineering** **3.Bone tissue engineering** **4.All (Right)**

Note: This view may vary from the view shown to student during online Test.

Question Details of Subject :QUIZ-BTT-361

QNo	Question Id	Question Description
385	1898370 Unit : 3, Group : 2	What kind of biomaterials are used in ORTHOPAEDICS **1.Metal and metal alloys** **2.Bone replacement materials** **3.Carbon materials and composites,polymers** **4.All (Right)**
386	1898379 Unit : 3, Group : 2	Clinical applications of orthopedic implants are **1.Osteosynthesis** **2.Joint replacements** **3.Non conventional modular tumor implants** **4.All (Right)**

Note: This view may vary from the view shown to student during online Test.