

## EVERYDAY SCIENCE

- Spleen is called the graveyard of Red Blood Cells.
- *Oxygen Gas was discovered by Priestly.*
- *Dr. James Watson discovered the structure of DNA in 1953.*
- *Cell for the first time was discovered by Robert Hook.*
- “Debugging” is the process of locating and fixing or bypassing bugs (errors) in computer program code or the engineering of a hardware device.
- “Claustrophobia” is defined as the fear of enclosed spaces.
- “Brass” is an alloy of copper and zinc; the proportions of zinc and copper can be varied to create a range of brasses with varying properties.
- “Bronze” is a metal alloy consisting primarily of copper, usually with tin as the main additive.
- *Vitamin C (also called Ascorbic Acid) is a powerful antioxidant, and aids in the production of collagen, and stimulates the immune system. Vitamin C is essential for appetite.*
- “Soda Water” serves as a primary remedy for upset stomach.
- Normal arterial blood pH is 7.40, with a range of about 7.36-7.44. Blood pH depends on carbon dioxide (CO<sub>2</sub>) concentration and bicarbonate (HCO<sub>3</sub>) concentration.
- *The main constituent of Sui Gas is Methane.*
- Agoraphobia is the fear of open or public places. “Agraphia” is the inability to write. Acrophobia is the fear of heights. Aerophobia is a fear of flying, Apiphobia is a fear of what? Bees. Cyberphobia is the fear of computers or working on a computer.
- and acrophobia a fear of Heights.
- A CPU( cache) is a cache used by the central processing unit of a computer to reduce the average time to access memory. The cache is a smaller, faster memory which stores copies of the data from the most frequently used main memory locations.
- “Dry ice” is a Solid Carbon Dioxide.
- Chemically diamond is a Pure Carbon.
- Gas is use in Fire Cylinders CO<sub>2</sub>.(CO<sub>2</sub> is use for extinguishing fire)
- Sulphuric Acid is use in the car batteries.
- ‘Parkinson’ is a disease of Brain.
- The normal pulse beat of a human body is between 72—80.
- An instrument designed for testing the purity of milk is called Lactometer.
- “Autopsy” is the Post-Mortem examination of a body.
- “Lexicography” is the branch of science which deals with the process of writing dictionaries.
- Speed of Sound in Air 331 m/s.
- Red Colour has largest and Blue colour has shortest Wavelength.
- “Pomology” is the study and cultivation of fruit.
- Logarithm tables were invented by John Napier
- Fish is the Best source of protein.
- Most commonly used bleaching agent is chlorine
- The chief constituent of gobar gas is methane.
- The frequency of which of the following is the highest? Radio waves
- “Charles Drew” was the first pioneered the idea of a blood bank.
- Kidneys organ of the body purifies the blood.
- Skin is highly affected by the nuclear radiation first.
- Radio waves travel with almost the velocity of Light.
- Diamond is the hardest mineral.
- Life history of human malaria parasite in Anopheles was first described by Ronald Ross
- The distance between the earth and the sun is smallest in the month of January.
- Green vegetables are a good source of Minerals and Vitamins.
- *One metric ton* is equal to 1000 kg, or 2204 pounds.
- One square foot is equal to 144 sq inches and 1 meter is equal to 3.28 foot. One nautical mile is equal to 6080.
- “Monometer” is an instrument for measuring Gaseous Pressure.
- Atmospheric pressure at sea level is 760 mm
- The acceleration caused by gravity per second is 32 feet.
- 1 Inch is equal to 2.54 centimeters.
- Silicon is called the “Earth maker”.
- When a disease occurs over a large area of

- earth's surface at one time, it is called Epidemic disease.
- The area between the Tropic of Cancer and the Tropic of Capricorn, where the sun is vertically overhead at some point of the year is called The Torrid zone.
  - Deficiency of Vitamin C causes Scurvy.
  - What does Angstrom measure? Speed of ships
  - The scientist who first discovered that the earth revolves round the sun was Copernicus.
- "Digital Computer" was invented by Howard Alken.
  - Wood is the least conductor of electricity.
  - "Cryptography" deals with the study of secret writing.
  - What is laughing gas? Nitrous Oxide
  - The element common to all acids is Hydrogen.
  - Diamond is an allotropic form of Carbon.
  - Earth revolves around the sun from? West to east
  - Philately is the science of stamp collection.
  - Hydrometer is used for specific gravity of liquid.
  - Which vitamin easily prepared in body? vitamin D
  - Which gas is commonly used in balloons? Helium
  - The most abundant element in earth crust is Oxygen (O) 46.6% and silicon is the second abundant element of earth and silicon is called earth maker.
  - One horse power is equal to 746 watt.
  - Which colour phosphorus used in matches? Red
  - Oldest known element? Copper
  - Which shape of carbon is used in lead pencils? Graphite
  - Artificial silk is called rayon.
  - Basic component of paper is wood.
  - The *bar* is a *unit* of pressure equal to 100 kilopascals and roughly equal to the atmospheric pressure on Earth at sea level.
- Light year is the unit of distance. It is the distance that light can travel in one year. A light year is equal to 9.46 trillion kilometers.
  - Largest organ of the body is Skin and largest gland is Liver.
  - Kidney disease due to overdose of vitamin c.
  - CPU is an abbreviation of Central Processing Unit.
  - Cusec is unit of water flow.
- ATM stands for Automated Teller Machine.
  - Mirage is an example of refraction of Light.
  - Sound travels fastest in Glass.
  - The gravitational force on the body is called as Weight.
  - Most astronomers believe that origin of the Universe is Big Bang Theory.
  - Hepatitis and jaundice are the diseases of Liver.
  - Neon gas is used in decoration lighting.
  - Creature having both male and female organs is known as Hermaphrodite.
  - A low area storm with high winds rotating about a center of low atmospheric pressure is called Cyclone.
  - The first Muslim scientist who presented the law of reflection and refraction is Ibn-ul-Haitham.
  - The difference in the duration of day and night increases as one move from Equator to poles.
  - Solar system was discovered by Nicolaus Copernicus.
  - RAM stands for Random Access Memory.
  - Richest source of Vitamin D is cod liver oil.
  - 1sq cm is equal to how many square mm? 100
  - 1 milligram gold is equal to how many milligrams? 1000
  - We are saved from ultraviolet rays of sun through? Ozone Layer
  - Vitamin K helps in blood clotting.
  - Iron metabolism in the human body is helpful for Haemoglobin and blood is red due to hemoglobin.
  - In how many groups the living organisms that have back bone, are divided? 5 groups
  - Vitamins C not stored in human body and lack of vitamin c create skin disease.
  - Art and science of growing flowers, fruit and vegetables is called Horticulture.
  - What did Sir Isaac Pitman invent? A form of shorthand
  - "Dactylography" is the study of finger prints.
  - "Etymology" is the study of origin and history of words.
  - "Plague" is a disease, which spreads by rat.

- “Choreography” is the art of designing sequences of movements in which motion, form, or both are specified. Choreography may also refer to the design itself, which is sometimes expressed by means of dance notation.
- Newton discovered that every applied force has an equal reaction.
- When heavy unstable elements split into relatively smaller elements along with the release of energy is called fission.
- Protein is present in the highest amount in a human body.
- ‘Bicycle’ was invented by Macmillan
- “Amino Acid” is the smallest unit of Protein.
- How many pairs of ribs are there in the human body? 12.
- A cataract is a clouding that develops in the crystalline lens of the eye or in its envelope (lens capsule), varying in degree from slight to complete opacity and obstructing the passage of light.
- Ice melting at poles is because of Ozone depletion. Afforestation stands for planting of new Trees.
- “Marie Curie” was a physicist and chemist famous for her pioneering research on radioactivity. She was the first person honored with two Nobel Prizes—in physics and chemistry.
- On boiling egg hardens which indicates the presence of Protein.
- Abusive drugs damage cells of Brain.
- In modern television Cathode Ray Tube is replaced with Transistor.
- Acupuncture is a type of alternative medicine that treats patients by insertion and manipulation of solid, generally thin needles in the body. This medical treatment was found in China.
- “Stainless Steel” contains chromium, Iron and carbon.
- Red blood cells have no nucleus
- Pain in ears when aeroplane goes down because of High Air pressure.
- The maximum limit of sound beyond which a person can become deaf is 129 db.
- Natural gas effect on our lungs because, it is harmful for human being. When ever we inhale carbon monoxide its poisonous and human body feeling illness. Its very dangerous when ever natural gas leak some where repair or block this leakage its very harmful for human body and childrens as well.
- The tiny air sacs in the lungs tissues are called Alveoli.
- The quantity of charge that is stored in a condenser is measured in Coulombs and SI unit of pressure is Pascal.
- The deficiency of Vitamin E causes sterility in men and women.
- A xerophyte or xerophytic organism is a plant that has adapted to survive in an environment that lacks water, such as a desert.
- A halophyte is a plant that grows where it is affected by salinity in the root area or by salt spray, such as in saline semi-deserts, mangrove swamps, marshes and sloughs, and seashores.
- An epiphyte is a plant that normally grows on another plant for support. It is not parasitic, but uses the host plant for support only.
- Anthophobia is the fear of flower. Xenophobia is the dislike or fear of people from other countries.
- Photophobia is the extreme sensitivity to light.
- “Herpes” is a disease caused by a herpes virus, affecting the skin or the nervous system.
- “Erythrocyte” is a red blood cell ( typically a biconcave disc without a nucleus) that contains the pigment hemoglobin and transports oxygen and carbondioxide to and from the tissues.
- “Leucocyte” is a colourless cell which circulates in the blood and body fluids and is involved in counter acting foreign substances and disease ; a white blood cell.
- “Isobar” a line on a map connecting points having the same atmospheric pressure.
- “Pneumonia” is a lung infection in which the air-sacs fill with pus.
- “Leprosy” is a contagious bacterial disease that affects the skin, mucous membranes and nerves, causing discoloration and humps on the skin and, in severe cases, disfigurement and deformities.
- “Lithophytes” are a type of plant that grows in or on rocks. Lithophytes feed off moss, nutrients in rain water, litter, and even their own dead tissue.
- Gunpowder is a mixture of sulphur, charcoal and potassium nitrate (nitre). When water is added to the mixture potassium nitrate dissolves.
- A black hole is a region of spacetime from which nothing, not even light, can escape.

- Rabies (Hydrophobia) is a disease recognized by Insane Dog biting. Its effect on the Central Nervous system.
- *Pneumonia* affects the respiratory system.
- “Cooking gas” is a mixture of Butane and Propane.
- Iron articles rust because of the formation of a mixture of ferrous and ferric hydroxide.
- “Chlorination” is the process of adding the element chlorine to water as a method of water purification to make it fit for human consumption as drinking water.
- Sulphur is mixed with the rubber to make it more flexible.
- *Dysentery* is an intestinal inflammation, especially in the colon, that can lead to severe diarrhea with mucus or blood in the feces.
- *Vibrio cholerae* is a Gram-negative, comma-shaped bacterium. Some strains of *V. cholerae* cause the disease cholera.
- “Thanatophobia” is an extreme and irrational fear of death.
- “Psoriasis” is a common skin condition that causes skin redness and irritation.
- “Hippocratic Oath” is an oath historically taken by physicians and other healthcare professionals swearing to practise medicine ethically. It is widely believed to have been written by Hippocrates, often regarded as the father of western medicine, or by one of his students.
- Microphone is used to convert sound waves into electrical energy.
- Penicillin is widely used as an antibiotic
- The air we inhale is mixture of gases. Which of the following gases in the mixture is highest in percentage? Nitrogen
- The average thickness of the earth's crust is 32km.
- The substances human body produces to fight against disease germs are called Antibodies.
- The distance of place south or north of Equator is called Latitude.
- “Arboriculture” is a science of the cultivation, management, and study of individual trees, shrubs, vines, and other perennial woody plants.
- “Vitamin E” is present in egg.
- “Y2K” is a computer problem.
- Which of the following animals can hear ultrasonic sound? Bat
- SIM stands for Subscriber identity Module.
- The energy generation in stars is due to Fusion of light nuclei.
- Martin Cooper is known for his invention of Mobile Phone.
- The law of floating bodies was discovered by greek scientist Archimedes.
- First human heart transplant operation conducted by Dr. Christian Bernard on Louis Washkansky, was conducted in 1967
- Exposure to sunlight helps a person improve his health because the ultraviolet rays convert skin oil into Vitamin D
- The ozone layer restricts Ultraviolet radiation
- Eugenics is the study of altering human beings by changing their genetic components
- Ecology deals with Relation between organisms and their environment.
- Filaria is caused by Mosquito.
- If speed of rotation of the earth increases, weight of the body decreases
- Fathometer is used to measure Ocean depth
- Gabriel Daniel Fahrenheit was a German Physicist ; developed the mercury thermometer in 1714 ; devised temperature scale
- Who discovered penicillin? Alexander Fleming.
- “Entomology” is the study of Insects.
- In Algebra and mathematics who is credited with the originating the Binomial Theorem by Omar-i-Khayyam.
- Nitrogen gas is used in electric bulb.
- One US barrel is equal to 159 litres.
- Quicklime is an alkaline powder obtained by strongly heating which other material? Chalk.
- What is the name of the milky fluid obtained from trees which is used to produce rubber? Latex.
- Which is the only mammal with the power of active flight? Bat.
- Which lower level of clouds are commonly called ‘rain clouds’? Nimbus.
- Which medical specialty is concerned with the problems and illnesses of children? Pediatrics.
- What name is given to the stiffening of the body after death? Rigor mortis.

- The name of which Roman god means 'shining father' in Latin? Jupiter.
- What is the central colour of a rainbow? Green.
- What part of the body consists of the duodenum, the jejunum and the ileum? Small intestine.
- What, in internet terminology, does SMTP stand for? Simple Mail Transfer Protocol.
- What, in internet terminology, does FTP stand for? File Transfer Protocol.
- What is the art of preparing, stuffing and mounting the skins of animals to make lifelike models called? Taxidermy.
- What is the technical name for abnormally high blood pressure? Hypertension.
- What part of eye is responsible for its color? The iris.
- What is the second planet from the sun? Venus.
- Which gas used in advertising signs has the symbol Ne? Neon.
- In medicine, which is the most widespread parasitic infection? Malaria.
- What causes earthquakes? Earthquakes occur when energy stored within the Earth, usually in the form of strain in rocks, suddenly releases. This energy is transmitted to the surface of the Earth by earthquake waves.
- What is Galaxy? Galaxy, a massive ensemble of hundreds of millions of stars, all gravitationally interacting, and orbiting about a common center. Astronomers estimate that there are about 125 billion galaxies in the universe. All the stars visible to the unaided eye from Earth belong to Earth's galaxy, the Milky Way.
- What is an anemometer? Anemometer (Greek anemos, "wind"; metron, "measure"), an instrument that measures wind speed.
- What is paleontology? Paleontology, study of prehistoric animal and plant life through the analysis of fossil remains.
- How far is the sun from earth? the average distance from Earth is 150 million km (93 million miles).
- What was the first creature to travel in space? The Soviet Union also launched the first living creature, a dog named Laika, into space on November 3, 1957.
- What is dry ice? Solid carbon dioxide, known as dry ice, is widely used as a refrigerant. Its cooling effect is almost twice that of water ice; its special advantages are that it does not melt as a liquid but turns into gas, and that it produces an inert atmosphere that reduces bacterial growth.
- The origin of earth dates back to approximately? 4.6 billion year
- The dates on which day and night is equal are? 21st march and 23rd september
- Haematite is an ore of iron.
- Earth completes one rotation on its axis in? 23 hours 56 mints and 4.9 sec
- Which of the following gases is most predominant in the sun? Hydrogen
- The coldest planet is Neptune.
- The Cornea of the eyes is the only part of body without blood supply.
- The Average weight of man's brain is 4.8 ounces.
- The Average weight of woman's brain is 4.4 ounces.
- The most common element in the atmosphere is Nitrogen (N), which is present at 78.08 percent by volume and 75.52 percent by mass.
- The most common element in the universe is Hydrogen (H), according for 90 percent of all known matter in the universe, and 68 percent by mass in the Solar System.
- Radium was discovered by Mario Curie Pierre Curie.
- Railway Engine was invented by Stephenson.
- The largest bone of human body is Thigh Bone.
- The proportion of water in human body is about 85%. (Blood in Human Body 5-6 Liter 10 % of total volume )
- Cockroach is considered as the ancient insect of the world.
- "Rickets" is a disease of the bones ( due to deficiency of Vitamin D ).
- Sound will travel fastest in Solids.
- Lack of oxygen at high altitude produces bleeding.
- Chronometer is used to measure time while on ship.
- Dental enamel is the hardest thing present in a human body.
- The density of a liquid is measured by

Hydrometer.

- 'Fathom' is the unit of measurement of depth.
- Iron is the most widely used metal.
- A human body has 236 joints. (206 bones , new baby contains 300). There are 24 ribs in a human body.
- A colour blind person cannot distinguish between Red and Green.
- Hippocrates is considered as the father of Medicine.
- Platinum is the costliest metal in the world.
- The main component of a TV is a cathode ray tube.
- A man breathes 17 to 18 times in a minute.
- The breathing rate is controlled by the medulla.
- The only metal which is liquid at ordinary temperature is Aluminium.
- In the normal composition of human body oxygen is 64 percent.
- The use of fingerprints for identification purposes was first proposed by the British scientist Sir Francis Galton.
- Who invented 'Printing Press'? Gutenberg
- Who invented 'Television'? John L. Baird
- Who was the inventor of 'mercury thermometer'? Fahrenheit
- Albert Einstein presented 'theory of relativity'.
- Insulin was invented by F. Banting.
- Who discovered 'X-rays'? Roentgen
- Dr. Alfred Bernhard Nobel discovered Dynamite
- 'Law of gravitation' was introduced by Sir Isaac Newton
- 'Vaccination for smallpox' was discovered by Jenner
- Who discovered 'Oxygen'? Priestley Joseph
- What is the scientific name of man? Homo sapiens
- Polio, AIDS and Measles are caused by Virus
- T.B., leprosy , whooping cough and diphtheria are caused by Bacteria
- Lack of vitamin B can cause Beri Beri
- Goiter is caused by Deficiency of Iodine
- Man eat both plants and animals so called Omnivore
- Pepsin produced in stomach digests the Proteins
- Bile is secreted by Liver
- Blood sugar level is controlled by hormone called Insulin
- DNA double helix model was given by Watson and Crick
- Who gave the theory of evolution? Darwin
- Pituitary glands are located on Brain
- Tears are produced by Lachrymal glands
- In human eye image is formed at Retina
- Lemon contains vitamin C vitamin
- What is diploid number of man's chromosome? 46
- A patient is put to Dialysis, when he or she suffers from Kidney ailment
- Acquired Immune Deficiency Syndrome (AIDS) is infected by Virus
- A universal donor has blood group is O (receptor A&B)
- Kangaroo is native animal of Australia
- Helium, neon and argon are called Noble Gases
- Water is made of which two gases? Hydrogen and Oxygen
- Copper is used in making brass, bronze and German silver.
- Which atom does not have a neutron? Hydrogen
- The charge present on an electron is Negative
- The charge present on a proton is Positive
- Water was discovered by Cavendish
- Most abundant element in human body is Oxygen
- Which of the following is the lightest element of the periodic table? Hydrogen
- An instrument used for measuring atmospheric pressure is called Barometer
- Natural radioactivity was discovered by Becquerel in 1896
- Neutron was discovered by Chadwick
- The circumference of the earth was determined by Al-Beruni
- Telephone was invented by Graham Bell
- SI unit of length is Metre, SI unit of force is Newton, Unit of work in SI units is Joule and Unit of Power in SI unit is Watt.
- Energy possessed by a body due to its motion is called Kinetic Energy
- Lens which is thinner at the centre and thicker at

the edge is called Concave Lens .

- A lens which is thicker at the centre and thinner at the edges is called Convex Lens
- The diameter of a lens is called Aperture
- Energy in sun produced by hydrogen nuclei is the result of Fusion
- Ohm is unit of which quantity? Resistance
- Calorie is unit of which quantity? Heat
- Dyne is unit of which quantity? Force
- Angstrom is unit of which quantity? Length
- Becquerel is unit of which quantity? Radioactivity
- Who invented printing press? John Guttenberg
- A beam of white light passing through a prism scatters in Seven colours
- How much time does the sun light take to reach the Earth? 8.5 minutes
- The Sun is made of gases mainly Hydrogen and Helium
- The outer surface temperature of the Sun is 6000 °C
- In the core of the Sun Nuclear Fusion process is occurring all the times.
- Which is the hottest planet of our solar system? Venus
- Which planet is closest to the Earth? Venus
- Which planet is biggest from the Sun? Jupiter
- Which is the closest planet to the Sun? Mercury
- During Solar eclipse the moon comes between the Earth and the Sun.
- During Lunar eclipse the Earth comes between the moon and the Sun.
- The greenish planet of solar system is Uranus
- Which planet of solar system is red in colour? Mars
- Name the blue coloured planet. Neptune
- Formation and change of one season to another is due to Earth Revolution
- The Sun appears to rise from the East and set into the West due to Rotation of Earth
- ROM stands for Read Only Memory
- A byte is a group of 8 bits
- SIMM stands for Single Inline Memory Module
- Four nibbles are equal to Two Bytes
- Smallest unit of memory is Bit
- 1 Megabyte is equal to 1024 Kilobytes
- 1 Kilobyte is equal to 1024 Bytes
- A condition in which memory lost is called Amnesia.
- Which planet is known as “Earth’s near twin planet”? Venus
- Which is the brightest planet in the Solar System? Venus
- The smallest, fastest and smallest diameter planet is Mercury.
- Which one of the following planets has the maximum number of satellites? Jupiter
- To measure electric current: Ammeter is used
- Which instrument is used to measure blood pressure? Sphygmomanometer
- Which instrument is used to measure minute electrical currents? Galvanometer
- Hydrometer is the device that measures: The specific gravity of a liquid
- Hygrometer is used to measure: humidity
- What is used for detecting and measure earthquakes? Seismograph
- What splits light into its spectrum? Spectroscope
- Thermometer is used to measure: Temperature.
- The science of study of old age is called Gerontology
- The function of the thermostat in a refrigerator is To maintain the temperature
- Blotting paper absorbs ink because The action of capillary
- Name the vaccine that protects against tuberculosis? BCG bacillus Calmette-Guérin
- Name the disease of the liver that causes a patient to turn yellow? Jaundice
- Equinox is the time when the sun appears vertically overhead at noon at the equator.
- In the human body, blood-clotting factor is produced by the liver
- Human blood is able to carry large amounts of oxygen because of the chemical hemoglobin
- The living part of a plant cell is composed of a nucleus and cytoplasm
- The front of the eye is covered with a tough transparent material called CORNEA
- The smallest branches of an artery lead into tiny blood vessels called CAPILLARIES
- Insulin is produced in the human body by the

- Pancreas
- In an animal cell protein is synthesized in the Ribosome
  - Chemically finger nails are made up of Protein
  - Muscle stiffness is a symptom caused by the disease Tetanus
  - The fat in our food is digested by the enzymes lipase
  - Sound is a form of energy
  - A fraction of sunlight is refracted as it enters the earth's atmosphere.
  - Electric current is measured by an Ammeter.
  - Light with larger wavelength than that of the red colour is called infrared
  - Medulla Oblongata connects the small brain with the spinal chord.
  - Spinach is a good source of vitamin A, B2 (Riboflavin) and Iron.
  - Femur is a bone of the leg.
  - Excessive burning of fossil fuels cause acid rain.
  - Planet Mars has two moons.
  - Bauxite is an ore of aluminium
  - Mica is a nonconductor of electricity
  - Sun is the biggest star in the universe.
  - The capacity to do work is called energy.
  - The energy possessed by a body due to its position is called potential energy.
  - Nucleus usually lies in the centre of an animal cell
  - Calcium and phosphorus are the essential elements of bones.
  - (vi) Proteins are formed by combination of amino acids.
  - (vii) Rainwater dissolves sulphur dioxide to form sulphuric acid.
  - The set of instructions given to a computer is called software.
  - In a heat engine, heat energy is changed into mechanical energy
  - The smallest unit of measurement of wavelength is angstrom
  - The chemical generally used in refrigerators is ethylene
  - Period of famous Muslim scientists is 7th – 13th century A.D.
  - Heat radiation travels at a speed equal to speed of light
  - Amoeba is a unicellular animal.
  - Leprosy is a disorder of the nervous system.
  - Quartz is chemically a Silicate.
  - Solar eclipse occurs in New moon.
  - Centigrade & Fahrenheit scales give same reading at - 40°C
  - Who described protoplasm as the physical basis of life? T. H. Huxley
  - The scientist who first discovered that the earth revolves round the sun was Copernicus
  - Who invented the steam engine? James Watt
  - Who discovered circulation of blood in human body? William Harvey
  - The credit of inventing the television goes to Baird
  - The credit of developing the polio vaccine goes to Jonas Salk
  - The unit of energy in MKS system is Joule
  - The telephone was invented by Alexander Graham Bell
  - What is the body temperature of a normal man? 36.9°C
  - The pancreas secretes Insulin
  - Tibia is a bone found in the Leg
  - The largest part of the human brain is the Cerebrum
  - Red blood corpuscles are formed in the Bone marrow
  - What is the main component of bones and teeth? Calcium sulphate
  - The main constituent of hemoglobin is Iron
  - The function of hemoglobin is Prevention of anemia
  - Malaria is a disease which affects the Spleen
  - A person of which of the following blood groups is called a universal donor? O
  - A person with which of the following blood groups can receive blood of any group? AB
  - Which gland in the human body is called the master gland? Pituitary
  - How many bones are there in a newly born infant? 300
  - Which of the following diseases is caused by virus? Small pox
  - Medulla oblongata is a part of human Brain
  - Myopia is a disease connected with Eyes
  - Leukemia is a disease of the Blood
  - Short-sightedness can be corrected by using Concave lens
  - Trachoma is a disease of the Eyes
  - Typhoid and cholera are typical examples of



Water-borne disease

- Pyorrhea is a disease of the Gums
- Lack of what causes diabetes. Insulin
- Appendix is appendix is a part of Large intestine
- ECG is used for the diagnosis of ailments of Heart
- Biopsy is done on Tissues taken from a living body
- Dialysis is used for the treatment of Kidney failure
- Insulin is injected into the intestines by Pancreas
- Lock Jaw, i.e., difficulty in opening the mouth is a symptom of Tetanus
- Lungs are situated in the Thoracic cavity
- Enzymes help in Digestion of food. Food is normally digested in the Small intestines.
- The planet of the solar system which has maximum numbers of Moon is Jupiter (as of 2011)
- A unit of length equal to the average distance between the earth and sun is called Astronomical unit
- The ozone layer is present about 30miles (50km) in atmosphere above earth. The stratum (layer) of atmosphere in which ozone layer lies is called as Stratosphere
- Which rocks are formed by the alteration of pre-existing rocks by great heat or pressure  
Metamorphic rocks
- The most abundant natural Iron oxides are Hematite and Magnetite
- The most abundant elements in sea water Sodium and Chlorine
- The unit of home electricity energy consumption is Kilowatt hour
- The speed of sound in dry air at 20 C is about (343 m/s)
- The time light takes from Sun to reach Earth is 8 minutes
- Light from Sun travels a distance before it reaches Earth 150 Million Km
- The most suitable thermometer for measuring the boiling point of water is Mercury thermometer
- The density of water is greatest at 4°C
- A vacuum can not conduct heat
- The building blocks of elements are called Molecules
- Boiling of an egg is a change which is Chemical
- The usual raw material for ceramics, generally found beneath the top soil is? Clay
- Polyamides are synthetic polymers commonly known as Nylon
- Telephone was invented in 1876 in America by Graham Bell.
- Man belongs to the family Hominidae
- To measure the specific gravity of milk, the instrument used is Lactometer
- one of the fundamental characteristics of living organisms is Metabolism
- Water is heated in a kettle. The inside water is heated by convection. A person sitting near the fire receives heat by Radiation
- Three elements needed for the healthy growth of plants are N,P,K
- Parsec is a unit of Distance
- Twinkling of stars is caused by refraction of light
- In humans , most nutrient molecules are absorbed by the small intestine
- Laughing gas has chemical composition of the following two elements which are Nitrogen + oxygen
- Hepatitis A is transmitted to different individuals by Water
- The unit that coordinates different devices of the computer system is Control unit
- Cancer can be treated by Chemotherapy and radiotherapy
- The name of the common mineral salt present in sea is Sodium Chloride
- Founder of modern astronomy was Nicolas Copernicus
- The instrument which measures very high temperature is Pyrometer
- Chemical used to kill rats and mice are Rodenticides
- The position of earth in its orbit, when it is at its greatest distance from the sun causing northern summer is called Aphelion
- Which of the following layers make radio transmission possible? Ionosphere
- Which of the following explains the reason why there is no total eclipse of the sun?  
Size of the earth in relation to that of moon
- Which one of the following is a non-metallic mineral? Gypsum
- Yeast is used in making bread because it produces Carbon dioxide

- Oasis is associated with Desert
- Name the famous book of Ibn-Sina in which he discussed human physiology and medicine? Al-Qanoon
- Animal which captures and readily kills living animals for its food is called Predator
  - An alimeter is used for measuring Altitude
  - Oology is the study of Birds eggs
  - Radioactivity was discovered by Henry Bacquerel
  - The metal used in storage batteries is Lead
  - Barometer was invented by Torricelli
  - Dynamo was invented by Michael Faraday
  - Galileo's first scientific discovery was Pendulum
  - Microscope was invented by Aaton Van Leewen Hock
  - The scientist who is known as father of modern biology is Aristotle
  - The first person to see a cell under microscope was Robert Hooke
  - The smallest flowering plant is Worffia
  - The four blood groups were discovered by Karl Landsteiner
  - The atomic number of oxygen is Eight
  - The basic building blocks of proteins are Amino acids
  - The unit of loudness is Phon
  - An ammeter is used to measure Electric current
  - Plant that eat insects are called Insectivorous plants
  - Fruits that are formed without fertilization are called Parthenocarpic
  - Plants that flower only once in their lifetime are called Mono carpic
  - Penicillin is obtained from Mould
  - Herpetology is the study of Reptiles
  - Osteology is the study of Bones
  - The botanical name for onion is Allium Cepa
  - The study of heavenly bodies is called Astronomy
  - Electric Lamp was invented by Thomas alva Edison
  - The fear of crowd is called Ochlophobia
  - The fear of books is called Bibliophobia
  - The fear of going to bed is called Clinophobia
- Calcium sulphate is commonly called Plaster of Paris
- Sodium carbonate is commonly called Washing Soda
- Sodium chloride is commonly known as Common Salt
- The chemical name of Chloroform is Trichloromethane
- The chemical name of baking powder is Sodium bicarbonate
- The chemical name of bleaching powder is Calcium hypochlorite
- A fungus which can only survive on other living organisms is called Obligate Parasite
- A plant which lives in the dark is called Scotophyte
- Laser was invented by Dr.Charles H.Townes
- Thermostat is an instrument used for regulating Constant temperature
- The science of organic forms and structures is known as Morphology
- The fear of women is known as Gynophobia
- The fear of men is known as Androphobia
- The scientist who developed the Quantum theory was Max Plonck
- The acid used in a car battery is Sulphuric acid
- The system for writing by blind people was invented by Louis Braille
- The parachute was used for the first time by J.P.Blanchard
- The German physicit who first demonstrated the existence of Radio waves was Henrich Hertz
- Fountain pen was invented by L.E.Waterman
- The role of heredity was demonstrated by Mendel
- The instrument used to measure the concentration of salt water is the Salinometer
- Safety matches was invented by J.E.Lundstrom
- Dynamics is the study of Movements of bodies
- Statics is the study of Forces acting on bodies at rest
- Mechanics is the study of Forces acting on

bodies

- The electro-cardiograph was invented by William Einthoven
- Chronometer was invented by John Harrison
- The study of antiquities is known as Archaeology
- The study of the duration of life is known as Chronobiology
- Calcium oxide is commonly known as Quick lime
- A deviation of light passing from one medium to another is known as Refraction
- An apparatus for generation of atomic energy is called a Reactor

### **MORE INFORMATION ABOUT VITAMINS**

- Vitamin C is also called Ascorbic Acid it prevents scurvy
- Vitamin C is also necessary for utilization of iron
- The food which contains largest amount of Vitamin C is tomato
- Cod liver oil contains Vitamin D
- Collagen is the substance that gives elasticity to skin
- Vitamin E promotes oxygenation and acts as anti aging
- Carbon dioxide we release comes from food we eat
- Vitamin B2 has what other name Riboflavin
- Fats are made of carbon, hydrogen and oxygen
- Vitamin E is called anti-aging agent
- Vitamin E helps in fertility process
- Vitamin B helps maintain normal appetite and good digestion
- Water soluble vitamin are B and C and all other are fat soluble
- Vitamin A is stored as Ester in liver
- Vitamin A is found in carotene bearing plants
- Vitamin K helps to form prothrombin (fibrinogen) one of the enzymes helpful in blood clotting
- Vitamin E is necessary for iron utilization; normal reproductive function. Vitamin E is for reproduction.
- Vitamin A is found in Dairy products
- Deficiency of Vitamin A causes Night blindness.
- Too much presence of the Potassium salt in human blood increase the risk of heart attack.
- The lack of calcium in the diet causes what condition-Rickets
- Celluloses are carbohydrates.

- Milk contains lactose.
- Vitamin C is a preventor of infectious disease
- Vitamin C is also called Skin food
- Vitamin C can easily be lost in cooking and food storage
- Vitamin D is essential for calcium metabolism.
- Vitamin C hastens healing of wounds
- Vitamin capable of formation of blood is B12
- Riches source of Vitamin D is cod liver oil
- Riches source of Vitamin A is eggs
- Deficiency of Calcium leads to rickets
- Vitamin B1 is available in yeast.
- Scurvy, arising due to deficiency of vitamin C, it is related to Gastro-intestinal disorder.
- Sodium is necessary of nervous system.
- Vitamin D is essential for calcium metabolism.
- Cheese contains vitamin D.
- Vitamin C can not be stored in human body.
- Scurvy, arising due to deficiency of vitamin C, it is related to Gastro-intestinal disorder.
- Sodium is necessary of nervous system.
- Ground nut has maximum protein
- Digestion of fat in intestine is aided by Emulsification
- Hair, finger nails, hoofs, etc are all made of protein
- Deficiency of sodium and potassium causes muscular cramps, headache and diarrhoea
- Milk (contains 80% water) is a complete food.
- Cheese contains vitamin D.
- Vitamin E is for reproduction.
- Glucose is the source of energy for human brain.
- Major component of honey is Glucose
- Three main food nutrients are carbohydrates, protein and fats. Other are vitamins and minerals
- Meat is rich in iron we need to make blood cells
- Eating of coconut increases man's mental faculties
- Food poisoning can result from the eating of too much toadstools.
- Vitamin C is also known as Ascorbic Acid.
- Celluloses are carbohydrates.
- Milk contains lactose
- Ascorbic acid is essential for the formation of bones and teeth.
- Citric acid is a good substitution for ascorbic acid in our nutrition.
- A guava contains more vitamin C than an orange
- Vitamin not stored in human body.....C

### **VARIOUS SCIENCES**

- **Taxidermy** means stuffing dead animals

- **Stenography** means short hand writing
  - **Psoriasis** is a learning disability
  - **Paleontology** is study of fossils.
  - **Hematology** is the study of blood.
  - **Geology** is the study of earth.
  - **Acoustics** is the science of sound
  - **Cytology** is the study of cell
  - **Entomology** is the study of insects.
  - **Apiculture** is science of bee keeping
  - **Ornithology** is the science of birds
  - **Philology** is the science of languages
  - **Oncology** is the study of cancer
  - **Exobiology** is the study of life in outer space
  - **Numismatics** is the study of coins
  - **Eugenics** is the study of altering humans by changing their genes or it refers to Improvement of human race
  - Ethology is the study of animal behavior
  - **Anthropology** is the study of origin and physical and cultural development of mankind
  - Carpology is the study of fruits and seeds.
  - **Pathology** deals with diseases
  - **Histology** deals with organic tissues
  - Pedology is the study of soil
  - Cryogenics deals with the production, control and application of low temperatures
  - **Seismology** is study of movements inside earth's crust
  - Ambidextrous is one who can write with both hands.
  - Astrophysics is a branch of astronomy which deals with the physical and chemical nature of heavenly bodies.
  - A etiology is the study of causes of disease.
  - **Cryptology** is the study of codes.
  - Dendrology is the study of trees.
  - Ergonomics is the study of relationships between people and their working environment.
  - Graphology is the study of handwriting.
  - Psychological study of life in artificial environment is called biopsy.
  - Phycology is the study of Algae.
  - Mycology is the study of fungi.
  - The art of compiling dictionary is called Lexicography.
  - Cartography is the art of making maps and charts.
  - **Philately** is hobby of stamp collecting.
  - An onomastician studies what - Names
  - Thanatology is the study of what Death
  - The study of human population is called Demography.
  - What does an otologist study-The ear and its diseases
  - Noologists study what-The Mind
  - Semiology is the study of what-Signals
  - What is silviculture- Forestry
  - What is Xylography- Wood Engraving
  - **Paleontology** is the science of history of life.
  - **Meteorology** is the study of study of weather.
  - **Cryptography** is the study which deals with the secret writing.
  - Hydroponics means cultivation of the plants without use of soil.
  - Hyetology is the study of rainfall.
  - Mycology is the study of fungus and fungi diseases.
  - Petrology is the study of rocks in the earth's crust.
  - Amniocentesis is a method for determination of foetal sex.
  - What is Steganography: Invisible ink writing
  - Ichthyologists study what Fish
  - What does a psephologist study: Voting – Elections
  - What is studied in Aerology-Planet Mars
  - Orthoepy is the study of what-Word pronunciation
  - A philomath has a love of what- Learning
  - What is a nidologist interested in-Birds nests
  - What is philography- Autograph collecting
  - **Agronomy** is the science of soil management
  - The process by which plants take food is photosynthesis
  - **Reduction** is the removal of oxygen atoms
  - **Oxidation** is the combination of oxygen or removal of hydrogen
  - **Horticulture** is the cultivation of flowers, fruits and vegetable
  - Pasteurization is the protection of food by heating
  - If temperature rises gradually up to 40 deg: C, the rate of photosynthesis may stop altogether
- SCIENTISTS**
- Ibn baitar was a Botanist
  - Kitab al Manazar on optical works was written by Ibn al Haitham
  - Mamoon observatory was established during the reign of Caliph Mamoon
  - Circulation of blood was described by a muslim scientist name Nafis Abdul al-Hasan.
  - Al-Khwarizimi was first person who used zero.
  - Muslim scientist Ali al Tabari is famous for his work on \_\_\_ (medical sciences)
  - Al Beruni discovered that light travels faster than

sound.

### **Knowledge about COMPUTER**

- Half byte = 1 nibble = 4 bits
- Bit means Binary Digit
- 1 byte = 8 bits
- 1 mega byte = 1048576 bytes
- 1 kilo byte = 1024 bytes
- A combination of 16 bits are called word.
- A terabyte = 1 trillion bytes
- Our PC belongs to 4th generation
- Fred Cohen coined the word computer virus
- First computer virus was created in 1970 at Bell laboratories
- WORM means Write Once Read Many
- Power of a super computer is measured in FLOPS (Floating Point Operations per Second)
- WWW/http: (hypertext transfer protocol) was created by Tim Burner Lee in 1992
- Intel means Integrated Electronics
- 1 worksheet contains 256 columns
- G.W.Basic G.W stands for Gate Way
- Super Computer was created by J.H.Van Tassel
- CORBA is Common Object Request Broker Architecture
- URL is Uniform or Universal Resource Locator
- Intel invented RAM chip
- Information stored on disk as series of bumps on its shiny side.
- DVDs hold more information than CDs. They use smaller bumps and have two reflective layers
- Recordable CDs do not have bumps. There are patches of color on disk to change the reflected laser light
- In 1951 Univac – 1, the world's first commercial computer was designed by John Mauchly and J. Presper Eckert. They built ENIAC, the first electronic computer in 1946
- In 1968 mainframe was built.
- In 1976 first supercomputer the Cray-1 was developed
- In 1981 IBM produce the IBM PC.
- In 1998 IBM made quantum computer
- Super computers uses parallel processing
- In 1974, computer games were introduced.
- PROM is the abbreviation of programmable read only memory
- What was the world's first high level programming language 1957: IBM FORTRAN
- A JPEG is a picture file format - what does JPEG stand for: Joint Photographic Experts Group
- During World War II, IBM built the computers the Nazis used to manage their death/concentration camps
- Registers are temporary storage areas within the CPU.
- First apple computer was built in garage.
- The language of small talk is object oriented.
- Shell is an operating environment.
- Virtual memory is also known as virtual page.
- NOS refer to operating systems for a network.
- In EBCDIC each character is denoted by 8 bits.
- Diodes are used in analog computer circuits as limiter.
- Wetware stands for any organic intelligence.
- GIGO stands for garbage in garbage out.
- Application of flip-flap are counters, shift register and transfer register.
- Bootstrap is associated with computer.
- FORTRAN stands for formula translator.
- A group of character that is termed as a single entity is called word.
- Clip art is a computer prepared art.
- Mark sensing is another term for OMR.
- Authorization to make multiple software copies is called site licensing.
- Antivirus is also known as vaccines.
- Free software is also known as public domain software.
- In computer DFD stands for Data Flow Diagram.
- Cyber Space is called to Virtual world of the computer.
- What does the sun in SUN Microsystems stand for Stanford University Network
- What does Intel stand for- Integrated Electronics
- All PCs have a BIOS what does bios stand for-Basic

## Input Output System

- What is the common name for an integrated circuit  
A Chip
- In WWW terms what does i.e. mean on a domain  
name-Ireland
- What company introduced the first commercial  
minicomputer 65 DEC
- Name the first web browser publicly available NCSA  
Mosaic
- The world's most powerful super computer is called  
ASCI white.
- World Wide Web was invented in 1993 by Tim  
Barnes Lee.
- The B-programming language was developed by  
Ken Thompson.
- The 1st commercially produced and sold computer  
(1951) was UNIVAC.
- The transformation from heavy computers to PCs  
was made possible using microprocessors.
- The first microprocessor was developed in 1971 by  
Intel.
- A pentium 4 (P-4) employs roughly 40 million  
transistors.
- Mark-1, Apple-1, and colossus were initial desktop  
computers.
- Binary digits are referred as bit.
- A collection of bits is called byte.
- The first home computer (1977), which was sold in  
millions of units was Apple II.
- 'PARAM' is a supercomputer.
- Father of the Computer.. Charles Babbage
- First artificial satellite was Sputnik-I sent by Soviet  
Union on October 4, 1957
  
- What country launched its first space rocket  
January 1961-Italy
  
- First human in space is Yuri Gagarin 1961 on USSR
- First space scientist was Henry Quendish
  
- First woman in space was Valentine Khurchoof in  
14 June, 1963
  
- Apollo XI enabled man to step on moon

- Generators convert mechanical energy into  
electricity.  
Nuclear energy is a cheap source of abundant  
electricity.  
Why is one's breath visible in cold but not in hot  
weather? Because the water vapours present in  
breath condenses while breathing in cold weather  
and therefore are visible.
- Epiphytes is a plant that grows upon another  
plant.
- Joseph Aspdin is the inventor of cement.
- Neurology is the science of nervous system.
- Biochemistry is the application of statistics in the  
study of Biology.
- A sheet of muscles called diaphragm separates  
the chest from the abdomen.
- The pattern for building protein molecules is  
stored in the messenger RNA
- Anvil and stirrup are names of bones present in  
the EAR
- The young plant inside a grain of wheat is called  
the embryo plant
- Inborn behaviour that involve only one part of  
the body are called REFLEX ACTION
- Animals which obtain their food from dead  
organisms are called Scavengers
- Riboflavin is not affected by cooking.
- The number of chromosomes in the spermatozoa  
is twenty-three

- The energy possessed by a water fall is kinetic energy.
- Rainbows are produced by the reflection of light through raindrops.
- Light switches in our homes are connected in parallel series.
- Oil bulbs cleaner and is less damaging to the environment than coal as a fuel.
- Enzymes are biological catalysts which have multiple function in the body.
- The difference between electrical charges at the two ends of a conductor is called Potential difference.
- The branch of zoology which deals with the study of insects is called Entomology
- Fuels formed from animal and plant matter that lived thousands of years ago are known as fossil fuels
- Cryptograms is a coded message; a text or message that is in code or cipher
- Reserve food material is usually stored as starch in plants. Reserve food material is usually stored as glycogen in liver and muscles of animals.
- Purest form of iron is wrought iron
- Hypo is a solution of sodium thiosulphate
- Aorta is an organ of the circulatory system
- Circular aperture which appears as a dark spot in the eye is called pupil
- Bacteria are parasites
- Ruby is an Oxide of Aluminum
- Visible light energy has the wavelength range of 400 to 700 Nanometer.
- The particles with positive charge but having mass equal to that of electron is called Proton.
- Iron corrodes due to the formation of Iron Oxide.
- Transistors do not need a warm up period because they have no Filament.
- The type of radiation that is unaffected by magnetic field is called Alpha.
- The *Kelven* scale of temperature is called the absolute scale.
- If we know the mass of an object and the force applied on it, it is possible to calculate *acceleration* of the object.
- Arteries become hard due to deposition of Fats in them.
- What is the source of energy for the human brain? Phosphorous
- How many Ergs are there in 1 Joule? 10<sup>7</sup>
- The unit of current is Ampere
- Who invented typewriter? Sholes
- The first attempt in printing was made in England by William Caxton
- Who was the surgeon who pioneered antiseptic surgery in 1865? Joseph Lister
- Who proposed the chemical evolution of life? Haeckel .
- Who among the following evolved the concept of relationship between mass and energy? Einstein
- Who discovered Uranus? Herschel
- Which of the following helps in clotting of blood? Vitamin K (Blood do not clotting due to heparin)
- Total volume of blood in a normal adult human being is 5-6 liters
- Which of the following have maximum calorific value? Carbohydrates
- Which of the following vitamins promote healthy functioning of eyes in human beings? Vitamin A
- Bronchitis is a disease of which of the following organs? Respiratory tract
- Barium is used for X-ray of alimentary canal
- Which of the following pairs is incorrect? Poliomyelitis-monkey
- Which of the following statements is correct Pulmonary artery carries impure blood
- When sound is reflected from floor, ceiling or a wall , it mixes with the original sound and change its complexion, it is called as Reverberation
- The of light in vacuum is about 300 Million kilometers per second
- Ice can be changed to water by Changing the motion of the water molecules
- The temperature of liquid nitrogen is -196°C
- Information can be sent over long distances in the form of Light signals through optical fibres
- Computers can Add and subtract information only.
- IBM stands for International Business Machines
- Chemicals used to kill weeds are called as Herbicides
- The cytoplasm consists of several types of structures, which are called Organelles
- The structure of DNA was elaborated by Watson and Crick in 1953
- In a DNA molecules, the rule for base pairing is Adenine always bound with thymine and cytosine with guanine
- As per eating habit, squirrels are Frugivorous

- Water loss from leaves through stomata is called as Transpiration
- Nervous system in human consists of: Brain, spinal cord and nerves. (central and peripheral)
- In human eye, the light sensitive layer made of specializes nerve cells, rods and cones is called as The retina.
- Copper can be converted into gold by Artificial Radioactivity
- In winter an iron pipe feel colder than a wooden window . This is because wood is non-Conductor
- The echo (reflected sound) will be distinctly heard only at ordinary temperatures if the distance of the reflecting surfaces from the source of sound is at least 56ft
- It is possible to recognize a person in the dark by simply hearing his unique voice . It is because of the pitch
- When a ray of sunlight enters a dark room , its straight path become visible because of dust particles hanging in the air. It is because light is Visible
- A six feet tall lady wants to see her full image in a plane mirror . The minimum length of the mirror will be 3 feet
- The principle used in radar is the same as that of Sonar. In radar we use radio waves ; whereas in sonar we use Ultrasonic
- In a fission nuclear reaction , a heavy nucleus breaks up into smaller nuclei whereas in another nuclear reaction two or more than two possibly nuclei are fused to form a heavy nucleus This nuclear reaction is called Fusion nuclear reaction
- German silver is an alloy of approximately 60% copper, 20% nickle and 20% zinc
- The Continent Antarctica lies at the South pole
- The temperature of the dead body is temperature of the place where it is kept  
Cusec is a volumetric unit for measuring the flow of liquids, equal to one cubic foot per second
- Magnifying power of a simple microscope can be increased by increasing focal length of the lens
- A very important practical application of properties of matter is hoeing or "godi" practiced by the farmers. This property of matter is called Capillarity
- It is observed that the total pressure exerted by air on the man of average siz is around 14.7 lb wt. per square inch. But the man feels quite comfortable,. It is becauseof gravity
- A nuclear reactor is a device used to carry out controlled nuclear reaction whereas GM counter is a device used to detect nuclear Radiation
- A body can escape the gravitational pull of the earth if it is thrown up with a velocity of 7 miles per sec
- Night vision is possible with the help of Infrared Rays
- Myopia is a defect of human eye. it can be corrected by using a lens called Concave lens
- Walnuts can be broken in the hand by squeezing two together but not one. It is because of Work done
- The planet Mercury completes one rotation around the sun is 88 days
- Fossils found in the lowest geological strata are generally most Primitive
- Evolution can be described as A continuing process
- What is the only source of new alleles? Mutation
- Polygenic characteristic are controlled by Multiple genes
- Which of the following , lists the four stages of food processing in order? ingestion , digestion , absorption , elimination
- The energy needed to fuel essential body processes is called recommended daily allowance
- Inhaled air passes through which of the following in the last? Bronchiole
- Cobalt is a material which is Strongly attracted by a magnet
- What is the chance of diabetic baby born to parents both heterozygous normal ?  $\frac{1}{4}$
- Role of biotechnology in the production of food based on Fermentation
- Which form of drug abuse involves most risk of infection with the HIV (AIDS) virus? Injection of heroine
- Chemical name of vinegar is Dilute acetic acid
- Defeciency of following vitamin decreases hemoglobin production Thiamine
- The most splendid and the most magnificent constellation on the sky is Orion
- Diamond is a very expensive ornament. It is composed of a single element Carbon



- Television signals are converted into light signals by Photo diode
- Where do most of Asteroids lie?  
In asteroid belt between the orbits of Mars and Jupiter
- The number of spark plugs needed in a diesel engine is 0
- The half life of a radioactive element is 8-days. How long it take to reduce it from 10 mg to 5 mg?  
8 days
- The term 'Blue Shift' is used to indicate Doppler Effect in which an object appears bluer when it is moving towards the observer or observer is moving towards the object.
- Kilowatt-hour is a unit of Electric Current
- Fuel used in a Fast Breeder Reactor is Uranium Plutonium Oxide
- Monsoon is caused by Seasonal reversal of winds
- Which of the following atmospheric layers help in radio communication? Ionosphere
- A moderator is used in nuclear reactor in order to Slow down the speed of the neutrons
- Sedimentary rocks are Porous
- Quartz crystal in quartz watches work on the principle called Piezo-electric effect
- The fruits without seed, like banana, are called parthenocarpic fruits

### Solved MCQs of EDS 2013

1. Who proposed the concept "All motion is relative"?

- a. Albert Einstein**
- b. John Kepler
- c. Galileo Galilie
- d. None

2. The field of specialization of famous Muslim scientist Abu Usman Aljahiz was:

- a. Botany
- b. Zoology**
- c. Astronomy
- d. None

3. Albatros is:

- a. A sea bird**
- b. A beetle
- c. A fruit
- d. None

4. The sunlight can reach a depth of ..... meters in the ocean:

- a. 100**
- b. 80
- c. 120
- d. None

5. The biggest planet in our solar system is:

- a. Venus
- b. Pluto
- c. Jupiter**
- d. None

6. The biggest species of the cat family is:

- a. Tiger**
- b. Lion
- c. Leopard
- d. None

7. Which group of animals has heterogametic females?

- a. Domestic fowl**
- b. Earthworm
- c. Rabbit
- d. None

8. The dominant phase of life cycle in these organism is haploid:

- a. Mosses
- b. Bacteria
- c. Protoza**
- d. None

9. The atmosphere of moon consists of:

- a. 90% Hydrogen, 10% Nitrogen
- b. 80% Nitrogen, 20% Hydrogen
- c. 60% Nitrogen, 40% inert gases**
- d. None

10. The chemical name of quartz is:

- a. Silicon Dioxide**
- b. Stannous Oxide
- c. Aluminium Oxide
- d. None

11. Which month of calendar year can lack a new moon?

- a. December
- b. February**
- c. May

d. None

12. Deuterium differs from Hydrogen in having:

a. Different atomic number but same atomic weight

b. Different atomic number and different atomic weight

**c. Same atomic number and different atomic weight**

d. None

13. One of the following is a water soluble vitamin:

a. Vitamin A

b. Vitamin D

c. Vitamin K

**d. None (Vitamin B and C)**

14. Coulomb is the scientific unit to measure:

a. Velocity

b. Temperature

c. Mass

**d. None**

15. Equator passes through one of these countries:

a. Saudi Arabia

b. Italy

c. Japan

**d. None**

16. Anti Diuretic hormone is secreted by one of the following glands:

**a. Pituitary**

b. Pancreas

c. Thyroid

d. None

17. Basha Dam is to be constructed on:

a. River Sutlaj

b. River Jhelum

c. River Chenab

**d. None (On Indus River)**

18. UV light falls in the category of:

**a. Ionizing Radiations**

b. Non Ionizing Radiation

c. Visible light

d. None

19. The earth's .....is divided into 15 major plates of various sizes:

a. Mesosphere

b. Stratosphere

**c. Lithosphere**

d. None

20. One of these scientists formulated basic laws of Geometry:

a. Pythagorus

**b. Archimedes**

c. Aristotle

d. None

21. Phosphorus is an essential component of one of the following biological molecules:

a. Amino acids

**b. Nucleic acids**

c. Carbohydrates

d. None

22. He was the first scientist to prove that plants move around the sun:

a. Archimedes

**b. Galileo Galilei**

c. John Kepler

d. None

23. Atom is made up of ..... different kinds of subatomic particles:

**a. Three**

b. Two

c. Four

d. None

24. Uranium is best used as nuclear fuel in one of the following forms:

**a. U 235**

b. U 237

c. U 238

d. None

25. The alpha particles are compact clusters of:

a. Electron and Proton

**b. Two Protons and two Neutrons**

c. Three protons and three Neutrons

d. None

26. The Beta particles are fast moving

a. Protons

**b. Electrons**

c. Neutrons

d. None

27. One of the following countries produces

maximum energy from atomic reactors:

**a. France** (80% from its Nuclear Reactors)

b. USA

c. UK

d. none

28. The unit to measure the quantity of Ozone in atmosphere is

**a. Dobson**

b. Dalton

c. Cuolomb

d. none

29. The severity of 2005 earthquake in Pakistan on Richter scale was

a. 6.9

**b. 7.6**

c. 7.1

d. none

30. Geiger-Muller counter is used to detect:

**a. Protons**

b. Neutrons

c. Photons

d. none

31. Vacuum tubes have been replaced by:

a. Conductors

b. Diodes

**c. Transistors**

32. Dacron is

**a. Polyethylene**

b. Epoxy

c. Polyamide

d. none

33. It is a secondary plant nutrient:

a. Nitrogen

b. Phosphorus

**c. Sulphur**

d. none

34. An area of microbiology that is concerned with the occurrence of disease in human population is

**a. Immunology**

b. Paracitology

c. Epidemiology

d. none

35. The number of electrons of a neutral atom is

automatically known if one knows the:

**a. Atomic number**

b. Atomic weight

c. Number of orbitals

d. none

36. Which of the following is not an enzyme?

a. Chemotrypsin

**b. Secretin**

c. Pepsin

d. none

37. It is impossible for a type of O+ baby to have a type of ..... mother:

a. AB-

**b. O-**

c. O+

d. none

38. Serum if blood plasma minus its:

a. Calcium ions

**b. Clotting proteins**

c. Globulins

d. none

39. The autonomic nervous system innervates all of these except:

a. Cardiac muscles

**b. Skeletal muscles**

c. Smooth muscles

d. none

40. The damage to the ..... nerve could result in the defect of the eye movement:

a. Optic

b. Trigeminal

**c. Abducens**

d. none

41. Which of these is not a region of the spinal cord?

a. Thoracic

**b. Pelvic**

c. Lumbar

d. none

42. The shape of the external ear is due to:

**a. Elastic cartilage**

b. Fibrocartilage

c. Articular cartilage

d. none

43. The external surface of the stomach is covered by

- a. Mucosa
- b. Serosa
- c. Parietal peritoneum**
- d. none

44. Which of the following is not a human organ system?

- a. Integumentary
- b. Muscular
- c. Epithelial**
- d. none

45. Which of the following does not vary predictably with the depth of the aquatic environment?

- a. Salinity
- b. Temperature
- c. Penetration by sunlight
- d. none**

46. The quantity of available nutrients .....from the lower levels of the energy pyramids to the higher ones.

- a. Increases
- b. decreases**
- c. remains stable
- d. none

47. Which of the following is not a major sub division of the biosphere?

- a. Hydrosphere
- b. Stratosphere
- c. Lithosphere**
- d. none

48. Vaccination is synonymous with ..... immunity.

- a. Natural active
- b. Artificial passive**
- c. Artificial active
- d. none

49. When a patient's immune system becomes reactive to a drug, this is an example of:

- a. Super infection
- b. Drug resistance
- c. Allergy**
- d. none

50. What is the smallest unit of heredity?

- a. Chromosomes
- b. Gene**
- c. Nucleotides