

Sr. No.	Questions	Answers
1.	When a gas turns into a liquid, the process is called (a) condensation (b) evaporation (c) deposition (d) sublimation	Answer: (a)
2.	Which of the following elements is a metal? (a) S (b) Se (c) I (d) Ga	Answer: (d)
3.	Oranges are rich source of (a) Carbohydrates (b) Fats (c) Proteins (d) Vitamins	Answer: (d)
4.	Most plant and animal cells are similar in some respects since they both have in common (a) Cytoplasm and cellulose (b) Cytoplasm and contractile vacuole (c) Cytoplasm and nucleus (d) Membrane and cell wall	Answer: (c)
5.	Lamarck's theory of inheritance of acquired characters was challenged by (a) August Weismann (b) Hugo De Vries (c) Herbert Spencer (d) Carl Linnaeus	Answer: (a)
6.	Iodised salt is useful for men because it (a) Improves digestion (b) Increases resistance to diseases (c) Controls the thyroid gland (d) Slows down ageing process	Answer: (a)
7.	In which layer of the atmosphere do most weather phenomena occur? (a) Exosphere (b) Stratosphere (c) Ionosphere (d) Troposphere	Answer: (d)

8.	<p>In the HINI Virus what does the alphabet H and N stands for: I H stands for haemagglutinin II N stands for neuraminidase</p> <p>(a) Only I is correct (b) Only II is correct (c) Both are correct (d) Both are incorrect</p>	Answer: (c)
9.	<p>In the context of genetic disorders, consider the following: A woman suffers from colour blindness while her husband does not suffer from it. They have a son and a daughter. In this context, which one of the following statements is most probably correct? <u>[UPSC 2009(CS-P)]</u></p> <p>(a) Both children suffer from colour blindness. (b) Daughter suffers from colour blindness while son does not suffer from it. (c) Both children do not suffer from colour blindness. (d) Son suffers from colour blindness while daughter does not suffer from it.</p>	Answer: (d)
10.	<p>In the context of CO₂ emission and Global Warming, what is the name of a market driven device under the UNFCC that allows developing countries to get funds/incentives from the developed countries to adopt, better technologies that reduce greenhouse gas emissions? <u>[UPSC 2009(CS-P)]</u></p> <p>(a) Carbon Footprint (b) Carbon Credit Rating (c) Clean Development Mechanism (d) Emission Reduction Norm</p>	Answer: (b)
11.	<p>In the context of alternative sources of energy, ethanol as a viable bio-fuel can be obtained from <u>[UPSC 2009(CS-P)]</u></p> <p>(a) Potato (b) Rice (c) Sugarcane (d) Wheat</p>	Answer: (c)
12.	<p>In making the saffron spice, which one of the following parts of the plant is used? <u>[UPSC 2009(CS-P)]</u></p> <p>(a) Leaf (b) Petal (c) Sepal (d) Stigma</p>	Answer: (d)
13.	<p>In higher pair, the relative motion is</p> <p>(a) Purely turning (b) Purely sliding (c) Purely rotary (d) Combination of sliding and turning</p>	Answer: (d)

14.	<p>In an atom no two electrons have all the four quantum numbers identical. This is known as</p> <p>(a) Paulis Exclusion principle (b) Hunds Rule (c) Aufbau Principle (d) Avogadros Law</p>	Answer: (a)
15.	<p>In a dry cell (battery), which of the following are used as electrolytes? <u>[UPSC 2009(CS-P)]</u></p> <p>(a) Ammonium chloride and Zinc chloride (b) Sodium Chloride and Calcium chloride (c) Magnesium chloride and Zinc chloride (d) Ammonium chloride and Calcium chloride</p>	Answer: (a)
16.	<p>If the radius of the earth were to shrink by 1 %, its mass remaining the same, the value of 'g' on the earth's surface would</p> <p>(a) increase by 0.5% (b) increase by 2% (c) decrease by 0.5% (d) decrease by 2%</p>	Answer: (b)
17.	<p>Galvanised Iron sheets have a coating of</p> <p>(a) Tin (b) Lead (c) Zinc (d) Chromium</p>	Answer: (c)
18.	<p>Fruit most suitable for making jelly is_____.</p> <p>(a) Papaya (b) Karunda (c) Mango (d) Banana</p>	Answer: (c)
19.	<p>Epicenter of an earthquake is a point associated with the</p> <p>(a) place where earthquake is felt (b) place of origin of earthquake in the interior of earth (c) point on the earth's surface just above seismic focus (d) point over the earth's surface where first shock is felt</p>	Answer: (c)
20.	<p>Endoplasmic reticulum is bound by</p> <p>(a) Cellulose wall (b) Membranes (c) Sclerotised layer (d) Chitinised wall</p>	Answer: (b)

21.	<p>Electric current is measured by</p> <p>(a) Voltmeter (b) Anemometer (c) Commutator (d) Ammeter</p>	Answer: (d)
22.	<p>Dim-vision in the evening and night results from the deficiency of which one of the following?</p> <p>(a) Vitamin A (b) Vitamin E (c) Vitamin B12 (d) Vitamin C</p>	Answer: (a)
23.	<p>Diffusion of light in the atmosphere takes place due to</p> <p>(a) Carbon dioxide (b) Dust particles (c) Helium (d) Water vapours</p>	Answer: (b)
24.	<p>Dental caries are due to</p> <p>(a) Viral infection (b) Contaminated water (c) Bacterial infection (d) Hereditary causes</p>	Answer: (c)
25.	<p>Consider the following statements:</p> <p>1. Dinosaurs roamed the earth during the Mesozoic era.</p> <p>2. All Dinosaur and other reptiles such as Ichthyosaurus and Pterosaurus. became extinct due to unknown reasons in Triassic period.</p> <p>Which of the statements above given is / are correct?</p> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p>	Answer: (a)
26.	<p>Consider the following statements:</p> <p>1.Cigarette smoking exposes a person to benzene.</p> <p>2.Benzene is known carcinogen.</p> <p>Which of the statements given above is / are correct?</p> <p>(a)1 only (b)2 only (c)Both 1 and 2 (d) Neither 1 nor 2</p>	Ans (c)
27.	<p>Consider the following statements:</p>	Answer: (c)

	<p>1. Sweet orange plant is propagated by grafting technique.</p> <p>2. Jasmine plant is propagated by layering technique.</p> <p>Which of the statements given above is/are correct? [UPSC 2009(CS-P)]</p> <p>(a) 1 only</p> <p>(b) 2 only</p> <p>(c) Both 1 and 2</p> <p>(d) neither 1 nor 2</p>	
28.	<p>Consider the following:</p> <p>1. Camphor</p> <p>2. Chicory</p> <p>3. Vanilla</p> <p>Which of the above is/are plant product(s)? [UPSC 2009(CS-P)]</p> <p>(a) 1 and 2 only</p> <p>(b) 3 only</p> <p>(c) 1 and 3 only</p> <p>(d) 1, 2 and 3</p>	Answer: (d)
29.	<p>'Bottle neck inflation' means</p> <p>(a) No rise in prices despite increase in aggregate demand</p> <p>(b) Rise in prices without increase in the aggregate demand</p> <p>(c) Decline in prices due to increase in aggregate demand</p> <p>(d) None of these</p>	Answer: (b)
30.	<p>Biological Oxygen Demand (BOD) is used as a standard measure of_____.</p> <p>(a) Oxygen level in forest system</p> <p>(b) Oxygen level in animals</p> <p>(c) Oxygen level in water system</p> <p>(d) Oxygen level in atmosphere</p>	Answer: (c)
31.	<p>An eclipse of the Sun takes place</p> <p>(a) Once in every year</p> <p>(b) When the moon is full</p> <p>(c) When the moon passes between the sun and the earth</p> <p>(d) When earth comes between the sun and the moon</p>	Answer: (c)
32.	<p>Among the following, the richest source of protein is</p> <p>(a) Ground Nut</p> <p>(b) Rice</p> <p>(c) Potato</p> <p>(d) Apple</p>	Answer: (a)
33.	<p>All electioneering campaigns during the time of elections are stopped.</p> <p>(a) 48 hours before the appointed time of election results</p> <p>(b) 48 hours before the actual poll</p>	Answer: (d)

	(c) 24 hours before the actual poll (d) 36 hours before the actual poll	
34.	AIDS stands for (a) Acquired Immune Disease Syndrome (b) Acquired Immunity Deficient Syndrome (c) Acquired Immune Deficiency (d) Acquired Infection Deficiency Syndrome	Answer: (c)
35.	Activity of brain is recorded by (a) ECG (b) EEG (c) MET (d) CT	Answer: (b)
36.	Acquired Immune Deeciency Syndrome (AIDS) is caused by (a) bacterium (b) protozoa (c) fungus (d) virus	Answer: (d)
37.	A term associated with the comparison of processing speed is (a) FFTS (b) MPG (c) MIPS (d) CPS	Answer: (c)
38.	A plant leaf appear to green because it (a) absorbs green light (b) reffects all but yellow and green light (c) reflect green light (d) absorbs red and yellow light	Answer: (c)
39.	A periscope works by the principle of (a) Refraction (b) Total Internal reflection (c) Diffraction (d) Reflection and refraction	Answer: (b)
40.	A mixure of solid Al_2O_3 and Fe_2O_3 can be separated by the method of (a) Forth floatation (b) Magnetic separation (c) Gravity separation (d) Dissolving in Water	Answer: (b)
41.	A hollow cylindrical rod is filled with air, to make it a resonance column. To produce a	Answer: (b)

	<p>wave of length 48 cm the minimum length of rod should be</p> <p>(a) 12 cm (b) 24 cm (c) 48 cm (d) 96 cm</p>	
42.	<p>Which of the following is most likely to cause a rise in the average temperature of the Earth in the future?</p> <p>(a) Atomic warfare (b) CO₂ from fossil fuels (c) Dust clouds from volcanoes (d) Depletion of the Earth's Ozone layer</p>	Answer: (b)
43.	<p>A healthy freshwater fish is placed in saltwater. The expected consequence of this would be that</p> <p>(a) the fish becomes dehydrated and dies (b) the fish becomes bloated and dies (c) the fish suffers from fungal or bacterial disease and dies (d) there is no observable effect on the fish provided there is sufficient food</p>	Answer: (a)
44.	<p>A difference of 1 degree in longitude at the Equator is equivalent to nearly</p> <p>(a) 101 km (b) 111 km (c) 121 km (d) 125 km</p>	Answer: (b)
45.	<p>A cell cycle consists of</p> <p>(a) mitosis and meiosis (b) G₁, the S phase, and G₂ (c) Prophase, metaphase, anaphase and telophase (d) Interphase and mitosis</p>	Answer: (d)
46.	<p>Which of the following poses the greatest safety risk when heated in laboratory?</p> <p>(a) A mixture of iron and sulfur (b) mercury(II) oxide (c) Sodium chloride (d) Copper(II) sulfate hydrate</p>	Answer: (b)
47.	<p>A boy has five resistance of 1/5 ohm each. The maximum resistance that can be formed with them is</p> <p>(a) 0.5 ohm (b) 1 ohm (c) 1/25 ohm (d) 1/5 ohm</p>	Answer: (b)

48.	A bat is (a) a mammal (b) a reptile (c) an amphibian (d) an avian	Answer: (a)
49.	A "clinical death" take place when (a) there is no pulse (b) there is no heart beat (c) pupils are fixed and dilated, and there is no reaction to light (d) all the three conditions are present together	Answer: (d)
50.	_____ based Institute of Genomics and INtegrative Biology, on December 8, 2009, announced to have succeeded in completely sequencing the genome of an individual. (a) Hyderabad (b) Nasik (c) Jaipur (d) New Delhi	Answer: (d)
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1.	Vacuoles are bound by a definite membrane in plant cells called (a) Plasma membrane (b) Tonoplast (c) Cell wall (d) None of the above	Answer: (b)
2.	Titan is the largest natural satellite of planet (a) Mercury (b) Venus (c) Saturn (d) Neptune	Answer: (c)
3.	Thermometer is related to degree in the same way as clock is related to (a) Wall (b) Tower (c) Hour (d) Cock	Answer: (c)
4.	There are rings around which of the following? (a) Uranus (b) Mars (c) Jupiter	Answer: (d)

	(d) Saturn	
5.	<p>There are how many strains of H & N proteins that cumulatively make up the HN breed of flu virus (eg. being the presently famous H1N1 virus)</p> <p>(a) 16 & 9 respectively (b) 9 & 16 respectively (c) 16 & 16 respectively (d) 9 & 9 respectively</p>	Answer: (a)
6.	<p>The wonder pigment chlorophyll is present in</p> <p>(a) Mitochondria (b) Centrosomes (c) Quantosomes (d) Lysosomes</p>	Answer: (c)
7.	<p>The vestiges of hind limbs are present in</p> <p>(a) Cobra (b) Sea snake (c) Krait (d) Python</p>	Answer: (d)
8.	<p>The use of which of the following devices has given the modern biologist a better insight into the internal structure of cells</p> <p>(a) Computer (b) Electron microscope (c) Spectrophotometer (d) Ultracentrifuge</p>	Answer: (b)
9.	<p>The two diseases that most often kill AIDS victims are</p> <p>1.Kaposi's sarcoma 2.Lymphangioma 3.Pneumocystis carinii pneumonia 4.Systemic Lupus erythromatosus</p> <p>(a) 1 and 2 (b) 2 and 3 (c) 1 and 3 (d) 3 and 4</p>	Answer: (c)
10.	<p>The theory which advocates that living beings can arise only from other living beings is termed</p> <p>(a) Bio-genesis (b) Abiogenesis (c) Catastrophism (d) Cosmozoic</p>	Answer: (a)

11.	<p>The theory that all animals and plants are made up of cells and they could arise only from pre-existing cells was propounded by</p> <p>(a) Robert Hooke (b) Matthias Schleiden and Theodore Schwann (c) Purkinje (d) Leuwenhoek</p>	Answer: (b)
12.	<p>The theory of use and disuse was used to explain evolution by</p> <p>(a) Lamarck (b) Darwin (c) De Vries (d) Wallace</p>	Answer: (a)
13.	<p>The terms Lubb and Dubb relate to which one of the following?</p> <p>(a) Heart (b) Eyes (c) Teeth (d) Lungs</p>	Answer: (a)
14.	<p>The term 'epicentre' is associated with</p> <p>(a) Earthquakes (b) Tornadoes (c) Cyclones (d) Earth's interior</p>	Answer: (a)
15.	<p>The speed of light with the rise in the temperature of the medium</p> <p>(a) Increases (b) Decreases (c) Remains unaltered (d) Drops sharply</p>	Answer: (c)
16.	<p>The solenocytes of Platyhelminthes, the nephridium of Annelids, and the kidneys of Vertebrates all have a similar function of excretion by differ in origin. They are said to be</p> <p>(a) Analogous (b) Homologous (c) Adaptational (d) Vestigeal</p>	Answer: (a)
17.	<p>The solar eclipse occurs when</p> <p>(a) the sun comes in between the moon and the earth (b) the earth comes in the between the sun and the moon (c) the moon comes in between the sun and the earth (d) None of these</p>	Answer: (c)

18.	The smallest functional and structural unit of kidney is called as (a) Neuron (b) Nephron (c) Granulocyte (d) Reticulocyte	Answer: (b)
19.	The removal of top soil by water or wind is called (a) Soil wash (b) Soil erosion (c) Soil creep (d) Silting of soil	Answer: (b)
20.	The power of lens is - 2D. What is its focal length? (a) 2m (b) 0.5m (c) 1.0m (d) 0.5m	Answer: (d)
21.	The Panda belongs to the same family as that of [UPSC 2009(CS-P)] (a) Bear (b) Cat (c) Dog (d) Rabbit	Answer: (a)
22.	The oxide of Nitrogen used in medicine as anaesthetic is (a) Nitrogen dioxide (b) Nitric oxide (c) Nitrous oxide (d) Nitrogen pentoxide	Answer: (d)
23.	The modern synthetic theory of organic evolution is a synthesis of theories proposed by (a) Lamarck and Darwin (b) Lamarck and De Vries (c) Darwin and De Vries (d) None of the above	Answer: (c)
24.	The marine animal called dugong which is vulnerable to extinction is a/an[UPSC 2009(CS-P)] (a) Amphibian (b) Bony fish (c) Shark (d) Mammal	Answer: (d)
25.	The leaf blight of paddy is caused by	Answer: (a)

	<p>(a) Bacteria (b) Virus (c) Nematodes (d) Fungus</p>	
26.	<p>The intensity of Earthquakes is measured on (a) Richter scale (b) Secant scale (c) Mercalli scale (d) Beaufort scale</p>	Answer: (a)
27.	<p>The injection of anti-toxin is given to prevent (a) Tetanus (b) Tuberculosis (c) Typhoid (d) Filariasis</p>	Answer: (a)
28.	<p>The hardest substance available on earth is (a) Platinum (b) Diamond (c) Quartz (d) gold</p>	Answer: (a)
29.	<p>The general direct flow of summer monsoon in India is_____. (a) From South to North (b) From South West to South East (c) From South East to South West (d) From South West to North East</p>	Answer: (b)
30.	<p>The gas predominantly responsible for global warming is (a) Carbon dioxide (b) Carbon monoxide (c) Nitrous oxide (d) Nitrogen peroxide</p>	Answer: (a)
31.	<p>The dynamo is a device for converting (a) Heat energy into electrical energy (b) Mechanical energy into electrical energy (c) Magnetic energy into electrical energy (d) None of these</p>	Answer: (b)
32.	<p>The disease diphtheria affects (a) Lungs (b) Intestine (c) Throat</p>	Answer: (c)

	(d) Body joints	
33.	The concept of carbon credit originated from which one of the following? (a) Earth Summit, Rio de Janeiro (b) Kyoto Protocol (c) Montreal Protocol (d) G-8 Summit, Hciligendamm	Answer: (b)
34.	The cell that lacks a nucleus is (a) Flame cell (b) Spermatozoan (c) Red blood corpuscles in man (d) White blood corpuscles	Answer: (c)
35.	The blue colour of the clear sky is due to (a) Diffraction of light (b) Dispersion of light (c) Reflection of light (d) Refraction of light	Answer: (b)
36.	The animal which uses sounds as its 'eyes' is (a) Dog (b) Cat (c) Snake (d) Bat	Answer: (d)
37.	Thalassaemia is a hereditary disease affecting_____. (a) Blood (b) Lungs (c) Heart (d) Kidney	Answer: (a)
38.	Stem cuttings are commonly used for re-growing (a) Cotton (b) Banana (c) Jute (d) Sugar Cane	Answer: (d)
39.	Stainless steel is an example of (a) A metallic compound (b) A homogeneous mixture (c) A heterogeneous mixture (d) An inorganic compound	Answer: (a)
40.	Spontaneous generation signifying the development of living organisms from nonliving has been termed	Answer: (b)

	<p>(a) Biogenesis (b) Abiogenesis (c) Cosmozoic (d) Catastrophism</p>	
41.	<p>Spinach leaves are rich source of (a) Vitamin A (b) Iron (c) Carotene (d) Vitamin E</p>	Answer: (b)
42.	<p>Small pox is caused by (a) Bacteria (b) Fungus (c) Virus (d) Algae</p>	Answer: (c)
43.	<p>Silk is produced by (a) Egg of silkworm (b) Pupa of silkworm (c) Larva of silkworm (d) Insect itself</p>	Answer: (c)
44.	<p>Select the one which is not a mixture (a) Air (b) Gasoline (c) LPG (d) Distilled water</p>	Answer: (d)
45.	<p>Researchers from Columbia Initiative in Systems Biology recently discovered two genes, C/EPB and Stat3, responsible for the most aggressive forms of human _____. (a) Hepatitis B (b) AIDS (c) Blood Cancer (d) Brain cancer</p>	Answer: (d)
46.	<p>Regarding the atom of a chemical element, the magnetic quantum number refers to (a) orientation (b) shape (c) size (d) spin</p>	Answer: (a)
47.	<p>'Ratti' used by jewellers is obtained from seed of a (a) Gymnospermous plant</p>	Answer: (b)

	<p>(b) Angiospermous plant (c) Algae (d) Fungi</p>	
48.	<p>Polythene is industrially prepared by the polymerisation of_____.</p> <p>(a) Methane (b) Styrene (c) Acetylene (d) Ethylene</p>	Answer: (d)
49.	<p>Plant cells can usually be distinguished because only plant cells possess</p> <p>(a) Cell walls and mitochondria (b) Golgi bodies and central vacuoles (c) Cell walls and central vacuoles (d) Chromosomes and mitochondria</p>	Answer: (c)
50.	<p>Persons with which blood group are called universal donors?</p> <p>(a) AB (b) A (c) O (d) B</p>	Answer: (c)
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1.	<p>Workers of paint industry are exposed to which one of the following hazards?</p> <p>(a) Nickel pollution (b) Cadmium pollution (c) Strontium pollution (d) Lead pollution</p>	Answer: (d)
2.	<p>With reference to the work of human kidney, consider the following statement:</p> <p>1. After the waste is remove in the kidney, the clear blood is sent back through renal artery.</p> <p>2. From Bowman's capsule, the filtered liquid passes through tiny tubes where much of the gluclose is reabsorbed and sent back to the blood in the renal vein. Which of the following is/are correct?</p> <p>(a) Only 1. (b) Only 2. (c) Both 1 & 2 (d) Neither 1 nor 2</p>	Answer: (d)
3.	<p>With reference to the evolution of living organisms, which one of the following sequences is correct? [UPSC 2009(CS-P)]</p> <p>(a) Octopus - Dolphin - Shark</p>	Answer: (c)

	<p>(b) Pangolin - Tortoise - Hawk (c) Salamander - Python - Kangaroo (d) Frog - Crab - Prawn</p>	
4.	<p>With reference to normal human beings consider the following statements: 1. In response to the presence of HCL, secretin is produced from the duodenum. 2. Enterogastrone is produced in the small intestine in response to the presence of fatty acids. Which of the statements is/are correct? (a) Only 1 (b) Only 2 (c) Both 1 & 2 (d) Neither 1 nor 2</p>	Answer: (c)
5.	<p>Winds and air currents differ in the aspect that (a) air currents blow much faster than winds (b) air currents are always moisture laden while winds are usually dry (c) the winds blow on lands while air currents blow over seas and oceans (d) winds are horizontal movements of air while air currents are the vertical movements of air</p>	Answer: (d)
6.	<p>WiMAX is related to which one of the following? [UPSC 2009(CS-P)] (a) Biotechnology (b) Space technology (c) Missile technology (d) Communication technology</p>	Answer: (d)
7.	<p>Why is it difficult to see through fog? (a) Rays of light suffer total internal reflection from the fog droplets (b) Rays of light are scattered by the fog droplets (c) Fog droplets absorb light (d) The refractive index of fog is extremely High</p>	Answer: (b)
8.	<p>Who was the first scientist to use an instrument for biological studies in 1665? (a) Robert Hooke (b) Schwann (c) Schleiden (d) None of the above</p>	Answer: (a)
9.	<p>Who of the following scientists proved that the stars with mass less than 1.44 times the mass of the Sun end up as White Dwarfs when they die? [UPSC 2009(CS-P)] (a) Edwin Hubble (b) S. Chandrashekhar (c) Stephen Hawking (d) Steven Weinberg</p>	Answer: (b)

10.	<p>Who gave the first evidence of the Big- Bang theory?</p> <p>(a) Edwin Hubble (b) Albert Einstein (c) S. Chandrasekhar (d) Stephen Hawking</p>	Answer: (a)
11.	<p>Which one of the following is the most effective carrier for communications?</p> <p>(a) Cables (b) Microwaves (c) Optical fibres (d) Radiowaves</p>	Answer: (b)
12.	<p>Which one of the following types of waves are used in a night vision apparatus?[UPSC 2009(CS-P)]</p> <p>(a) Radio waves (b) Microwaves (c) Infra-red waves (d) None of the above</p>	Answer: (c)
13.	<p>Which one of the following statement is NOT correct?</p> <p>(a) Milk contains none of the B-vitamins (b) Vitamin-A (retinal) deficiency leads to dry and scaly skin (c) One of the symptoms of scurvy is pain in the joints (d) Vitamin-B, (thiamine) deficiency can lead to heart failure</p>	Answer: (a)
14.	<p>Which one of the following planets has largest number of natural satellites or moons?</p> <p>(a) Jupiter (b) Mars (c) Saturn (d) Venus</p>	Answer: (a)
15.	<p>Which one of the following is used as an explosive? [UPSC 2009(CS-P)]</p> <p>(a) Phosphorus trichloride (b) Mercuric oxide (c) Graphite (d) Nitroglycerine</p>	Answer: (d)
16.	<p>Which one of the following is responsible for blue baby syndrome?</p> <p>(a) Fluoride (b) Nitrate (c) Arsenic (d) Lead</p>	Answer: (b)
17.	<p>Which one of the following is not a radioactive element?</p> <p>(a) Uranium</p>	Answer: (d)

	<p>(b) Radium (c) Thorium (d) Cadmium</p>	
18.	<p>Which one of the following is correct? A concrete wall generally, (a) only reflects sound (b) only absorbs sound (c) only transmits sound (d) absorbs and transmits sound</p>	Answer: (d)
19.	<p>Which one of the following is considered as the easily digestible source of protein? (a) Egg albumin (b) Soybean (c) Fish flesh (d) Red meat</p>	Answer: (b)
20.	<p>Which one of the following is a water soluble vitamin? (a) Vitamin A (b) Vitamin C (c) Vitamin D (d) Vitamin K</p>	Answer: (b)
21.	<p>Which one of the following is a viral disease transmitted to man by the bite or rabid animals particularly dogs? (a) Cholera (b) Plague (c) Malaria (d) Rabies</p>	Answer: (d)
22.	<p>Which one of the following groups of animals are primates? (a) Giraffes and Zebras (b) Kangaroos and Koalas (c) Lemurs and Lorises (d) Rabbits and Hares</p>	Answer: (c)
23.	<p>Which one of the following glands produces the Growth Hormone (Somatotropin)? (a) Adrenal (b) Pancreas (c) Pituitary (d) Thyroid</p>	Answer: (c)
24.	<p>Which one of the following gases is predominant in the atmosphere? (a) Argon (b) Nitrogen</p>	Answer: (b)

	<p>(c) Carbon Dioxide (d) Oxygen</p>	
25.	<p>Which one of the following diagrams shows the direction and duration of wind? (a) Cartogram (b) Climognim (c) Ergograph (d) Star diagram</p>	Answer: (d)
26.	<p>Which one among the following kinds of organisms resides in the roots of pulse Plants to do nitrogen fixation?. (a) Bacteria (b) Fungi (c) Protozoa (d) Virus</p>	Answer: (a)
27.	<p>Which one among the following has the highest energy? [UPSC 2009(CS-P)] (a) Blue light (b) Green light (c) Red light (d) Yellow light</p>	Answer: (a)
28.	<p>Which of these is not a mosquito borne disease? (a) Dengue fever (b) Malaria (c) Filariasis (d) Goitre</p>	Answer: (d)
29.	<p>Which of the following vitamins helps in the absorption of calcium? (a) Vitamin A (b) Vitamin B (c) Vitamin C (d) Vitamin D</p>	Answer: (d)
30.	<p>Which of the following uses non-conventional Source of Energy? (a) Kerosene lamp (b) Wax candle (c) Solar lantern (d) Torch</p>	Answer: (c)
31.	<p>Which of the following plant diseases is caused by a virus? (a) Aster yellows (b) Barley yellow dwarf (c) Curly top of sugar beets (d) All of the above</p>	Answer: (d)

32.	<p>Which of the following planets rotates clock wise?</p> <p>(a) Pluto (b) Jupiter (c) Venus (d) Mercury</p>	Answer: (c)
33.	<p>Which of the following order is given to the planets of solar system on the basis of their sizes?</p> <p>(a) Jupiter, Saturn, Earth, Mercury (b) Saturn, Jupiter, Mercury, Earth (c) Mercury, Earth, Jupiter, Saturn (d) Earth, Mercury, Saturn, Jupiter</p>	Answer: (a)
34.	<p>Which of the following is suitable for growing cotton?</p> <p>(a) Sandy soil (b) Clayey soil (c) Black soil (d) Alluvial soil</p>	Answer: (c)
35.	<p>Which of the following is not a natural fibre</p> <p>(a) Silk (b) Jute (c) Coir (d) Rayon</p>	Answer: (d)
36.	<p>Which of the following is a water -borne diseases?</p> <p>(a) Viral hepatitis B (b) Cholera (c) Dengu (d) Influenza</p>	Answer: (b)
37.	<p>Which of the following has been found useful in keeping cholesterol level down</p> <p>(a) Tulsi (b) Serpentina (c) Turmeric (d) Garlic</p>	Answer: (d)
38.	<p>Which of the following crops is of Kharif season?</p> <p>(a) Soyabean (b) Linseed (c) Lentil (d) Mustard</p>	Answer: (a)
39.	<p>Which of the following can be used to control the speed of a D. C. motor?</p> <p>(a) Thermistor</p>	Answer: (b)

	<p>(b) Thyristor (c) Thyatron (d) Transistor</p>	
40.	<p>Which acid is produced when milk gets sour? (a) Tartaric acid (b) Butyric acid (c) Lactic acid (d) Acetic acid</p>	Answer: (c)
41.	<p>When the earth was formed it had an atmosphere with (a) Hydrogen, Oxygen and Nitrogen (b) Water vapour, Hydrogen and Oxygen (c) Oxygen, Carbon dioxide and Nitrogen (d) Water vapour, Ammonia and Methane.</p>	Answer: (d)
42.	<p>When an ant bites a person, which irritating chemical it (ant) injects into his (person) body? (a) Acetic acid (b) Citric acid (c) Tartaric acid (d) Formic acid</p>	Answer: (d)
43.	<p>When 1 litre of water freezes, the volume of ice formed will be (a) 0.9 litre (b) 1.0 litre (c) 1.11 litre (d) 1.5 litre</p>	Answer: (c)
44.	<p>What would be the best choice for window material to keep the outside heat away? (a) Single-pane glass (b) Double-pane glass without a gap in between (c) Double-pane glass with water filled in between (d) Double-pane glass with air in between</p>	Answer: (d)
45.	<p>What is the bacterial disease in lime fruits? (a) Phytophthora (b) White rust (c) Citrus canker (d) Smut disease</p>	Answer: (c)
46.	<p>Water boils at a lower temperature on the hills because (a) It is cold on the hills (b) There is less carbon dioxide on the hills (c) There is a decrease in air pressure on the hills</p>	Answer: (c)

	(d) there is less oxygen	
47.	<p>Washing soda is the common name for</p> <p>(a) Calcium carbonate</p> <p>(b) Calcium bicarbonate</p> <p>(c) Sodium carbonate</p> <p>(d) Sodium bicarbonate</p>	Answer: (c)
48.	<p>Vitamin concerned with vision is</p> <p>(a) Vitamin A</p> <p>(b) Vitamin B1</p> <p>(c) Vitamin B2</p> <p>(d) Vitamin B6</p>	Answer: (a)
49.	<p>Vestigeal pelvic girdle and bones of hind limbs are characteristic of</p> <p>(a) Whales</p> <p>(b) Dolphins</p> <p>(c) Seals</p> <p>(d) Sharks</p>	Answer: (a)
50.	<p>Vestigeal organs are those which are</p> <p>(a) Fully formed and functional</p> <p>(b) Much reduced but functional</p> <p>(c) Much reduced and functionless</p> <p>(d) Fully formed but functionless</p>	Answer: (c)
Sr. No.	Questions	Answers
1.	<p>The scientist who is known as father of modern biology is</p> <p>(a) B. F. Skinner</p> <p>(b) Aristotle</p> <p>(c) Wilhelm Wundt</p> <p>(d) Archimedes</p>	Answer: (b)
2.	<p>The science of weights and measures is called:</p> <p>(a) metrology</p> <p>(b) meteorology</p> <p>(c) mineralogy</p> <p>(d) morphology</p>	Answer: (a)
3.	<p>The point at which solid, liquid and gaseous forms of a substance co-exist is called</p> <p>(a) sublimation point</p> <p>(b) distillation point</p> <p>(c) triple point</p> <p>(d) melting point</p>	Answer: (c)

4.	<p>The persons working in textile factories such as carpet weavers are exposed to which of the following occupational disease?</p> <p>(a) Asbestosis (b) Asthma and Tuberculosis (c) Silicosis (d) Siderosis</p>	Answer: (b)
5.	<p>The parachute was used for the first time by</p> <p>(a) Max Born (b) Francis Crick (c) J.P.Blanchard (d) Enrico Fermi</p>	Answer: (c)
6.	<p>The only species of cat that lives and hunts in groups is</p> <p>(a) lion (b) leopard (c) jaguar (d) cougar</p>	Answer: (a)
7.	<p>The most abundant organic molecule on the surface of the Earth is:</p> <p>(a) cellulose (b) chitin (c) DNA (d) hemoglobin</p>	Answer: (a)
8.	<p>The law of gravitation was propounded by</p> <p>(a) Alfred Binet (b) Alfred Kinsey (c) Sir Isaac Newton (d) Alexander Fleming</p>	Answer: (c)
9.	<p>The launch of the first LIQUID fueled rocket in the world is attributed to:</p> <p>(a) China (b) Russia (c) United States (d) Germany</p>	Answer: (c)
10.	<p>The instrument used to measure the relative humidity of air is</p> <p>(a) Hygrometer (b) Salinometer (c) Calorimeter (d) Hydrometer</p>	Answer: (a)
11.	<p>The instrument used to measure the pressure of gases is the</p> <p>(a) Barometer</p>	Answer: (b)

	(b) Monometer (c) Psychrometer (d) Spectrophotometer	
12.	The instrument used to measure the concentration of salt water is the (a) Galvanometer (b) Salinometer (c) Altimeter (d) Hygrometer	Answer: (b)
13.	The German physicist who first demonstrated the existence of Radio waves was (a) Arthur Eddington (b) Henrich Hertz (c) William Harvey (d) Marcello Malpighi	Answer: (b)
14.	The first person to see a cell under microscope was (a) Max von Laue (b) Gustav Kirchhoff (c) Robert Hooke (d) Hans Bethe	Answer: (c)
15.	The fastest-running terrestrial animal is (a) cheetah (b) lion (c) man (d) jaguar	Answer: (a)
16.	The density of milk is measured by a (a) Monometer (b) Hygrometer (c) Lactometer (d) Anemometer	Answer: (c)
17.	The characteristic odour of Garlic is due to which one of the following? (a) Chlorine-containing compounds (b) Fluorine-containing compounds (c) Nitrogen-containing compounds (d) Sulphur-containing compounds	Answer: (d)
18.	The branch of medical science which is concerned with the study of disease as it affects a community of people is called (a) epidemiology (b) oncology (c) paleontology	Answer: (a)

	(d) pathology													
19.	<p>The angle between the geographical meridian and magnetic meridian is called</p> <p>(a) Angle of dip (b) Angle of declination (c) Angle of inclination (d) None of the above</p>	Answer: (b)												
20.	<p>Superconductivity is a material property associated with</p> <p>(a) cooling a substance without a phase change (b) frictionless liquid flow (c) a loss of thermal resistance (d) a loss of electrical resistance</p>	Answer: (d)												
21.	<p>Pollination by birds is called</p> <p>(a) autogamy (b) ornithophily (c) entomophily (d) anemophily</p>	Answer: (b)												
22.	<p>Mist is caused by</p> <p>a) Dry ice b) Ice at low temperature c) Water vapours at low temperature d) Carbon- monoxide in solid form</p>	Answer: (c)												
23.	<p>Match List-I with List-II and select the correct answer using the code given below the Lists:</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">List-I</th> <th style="text-align: left;">List-II</th> </tr> </thead> <tbody> <tr> <td>Celestial Body)</td> <td>(Roman God)</td> </tr> <tr> <td>A. Mercury</td> <td>1. God of the Under world and Death</td> </tr> <tr> <td>B. Pluto</td> <td>2. God of Commerce, Eloquence and Skill</td> </tr> <tr> <td>C. Mars</td> <td>3. God of the Sea</td> </tr> <tr> <td>D. Neptune</td> <td>4. God of War</td> </tr> </tbody> </table> <p>Code:</p> <p>(a) A B C D 3 1 4 2 (b) A B C D 2 4 1 3 (c) A B C D 3 4 1 2 (d) A B C D 2 1 4 3</p>	List-I	List-II	Celestial Body)	(Roman God)	A. Mercury	1. God of the Under world and Death	B. Pluto	2. God of Commerce, Eloquence and Skill	C. Mars	3. God of the Sea	D. Neptune	4. God of War	Answer: (d)
List-I	List-II													
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D. Neptune	4. God of War													
24.	In the human body, Cowper's glands form a part of which one of the following?	Answer: (c)												

	<p>(a) Digestive system (b) Endocrine system (c) Reproductive system (d) Nervous system .</p>	
25.	<p>In normal adult human, what is the rate of heartbeat per minute? (a) 72-80 (b) 70-75 (c) 80-97 (d) 82-87</p>	Answer: (a)
26.	<p>In human body, what is the number of cervical vertebrae? (a) 5 (b) 7 (c) 8 (d) 12</p>	Answer: (b)
27.	<p>In daylight the human eye is most sensitive to which color? (a) Green (b) Red (c) Blue (d) Orange</p>	Answer: (a)
28.	<p>If a metal can be drawn into wires relatively easily it is called (a) malleable (b) ductile (c) extractive (d) tactile</p>	Answer: (b)
29.	<p>Evaporation from water surfaces exposed to air is not dependent of the: (a) velocity of the wind (b) humidity (c) temperature (d) depth of the water</p>	Answer: (d)
30.	<p>Earth quake waves travel fastest in (a) Soil (b) Molten rock (c) Water (d) Flexible rock</p>	Answer: (c)
Sr. no.	Questions	Answers
1.	<p>Yeast, used in making bread is a: (a) plant (b) fungus</p>	Answer: (b)

	<p>(c) bacteria (d) seed</p>	
2.	<p>Who was the marine biologist and author of Silent Spring who was one of the first people to warn of the dangers of pesticides like DDT? (a) Jacques Cousteau (b) Rachel Carson (c) Charles Darwin (d) Marlin Perkins</p>	Answer: (b)
3.	<p>Who was the first scientist credited with pointing out that certain gases could cause a greenhouse effect? (a) John Tyndall (b) Charles Darwin (c) Roger Tory Peterson (d) Stephen Jay Gould</p>	Answer: (a)
4.	<p>Who is known as the Father of the Atomic Bomb? (a) Albert Einstein (b) J. Robert Oppenheimer (c) General Leslie Groves (d) Edward Teller</p>	Answer: (b)
5.	<p>Who is called the Father of the Nuclear Navy? (a) Edward Teller (b) Robert Oppenheimer (c) Hymen Rickover (d) Chester Nimitz</p>	Answer: (c)
6.	<p>Which of the following seeds will normalize blood sugar level? (a) Coriander (b) Mustard (c) Cumin (d) Fenugreek</p>	Answer: (d)
7.	<p>Which of the following plants is not capable of manufacturing own food? (a) Algae (b) Mushroom (c) Carrot (d) Cabbage</p>	Answer: (b)
8.	<p>Which of the following nutrients is not a structural component of the plant? (a) Nitrogen (b) Calcium (c) Phosphorus</p>	Answer: (b)

	(d) Potassium	
9.	Which of the following is primarily composed of calcium carbonate? (a) Fish scales (b) Shark teeth (c) Oyster Shells (d) Whale bones	Answer: (c)
10.	Which of the following is not a property of difference amplifier? (a) Capacitor is used in it (b) It is used to compare two signals (c) Difference amplifier yields more than the direct couple amplifier (d) Frequency of difference amplifier remains flat from zero to high frequency	Answer: (a)
11.	Which of the following is a rich source of energy? (a) Protein (b) Lipid (c) Carbohydrate (d) Vitamin	Answer: (b)
12.	Which of the following is a cellulose fiber? (a) Cotton (b) Wool (c) Rayon (d) Polyester	Answer: (a)
13.	Which of the following gases is released from rice fields in the most prominent quantities? (a) Carbon dioxide (b) Methane (c) Carbon monoxide (d) Sulphur dioxide	Answer: (b)
14.	Which colour of heat radiation represents the highest temperature? (a) Blood red (b) Dark cherry (c) Salmon (d) White	Answer: (d)
15.	Which among the following substances is used as a lubricant? (a) Quartz (b) Silica (c) Graphite (d) Nickel	Answer: (c)
16.	What power cycle is used in jet engines?	Answer: (d)

	<p>(a) Stirling (b) Rankine (c) Otto (d) Brayton</p>	
17.	<p>What is the pH value of pure water? (a) 1 (b) 6 (c) 7 (d) 10</p>	Answer: (c)
18.	<p>What is Jeweller's rouge? (a) Ferric oxide (b) Ferrous oxide (c) Ferrous carbonate (d) Ferric carbonate</p>	Answer: (a)
19.	<p>What is "H5N1" a term , which was very much in news recently ? (a) It is a category of Visa provided by the USA FOR STUDENTS. (b) It is the name of the virus which cause Bird flu (c) It is the code name of India's space Mission 2010. (d) It was the name of the military operation launched by Sri Lanka against LTTE.</p>	Answer: (b)
20.	<p>What form of radiation most closely resembles X-rays? (a) alpha (b) beta (c) gamma (d) neutron</p>	Answer: (c)
21.	<p>What does airbag, used for safety of car driver, contain? (a) Sodium bicarbonate (b) Sodium azide (c) Sodium nitrite (d) Sodium peroxide</p>	Answer: (b)
22.	<p>Water flows through a horizontal pipe at a constant volumetric rate. At a location where the cross sectional area decreases, the velocity of the fluid: (a) increases (b) decreases (c) stays the same</p>	Answer: (a)
23.	<p>The word atom is from a Greek word meaning: (a) small (b) indivisible (c) unseen</p>	Answer: (b)

	(d) visible	
24.	The weight of an object will be minimum when it is placed at (a) The North Pole (b) The South Pole (c) The Equator (d) The center of the Earth	Answer: (d)
25.	The uranium fuel used worldwide is mainly in the form of: (a) U ₃ O ₈ (b) UO ₂ (c) UF ₆ (d) U metal	Answer: (b)
26.	The time taken by the Sun to revolve around the center of our galaxy is (1) 50 mn years (2) 100 mn years (3) 250 mn years (4) 365 mn years	Answer: (c)
27.	The theory of relativity was brought forward by (a) Louis Victor de Broglie (b) Albert Einstein (c) Carl Linnaeus (d) Jean Piaget	Answer: (b)
28.	The study of phenomena at very low temperatures is called (a) heat transfer (b) morphology (c) crystallography (d) cryogenics	Answer: (d)
29.	The study of how people use tools to perform work and how people physically relate to their working environment is called (a) engineering (b) ergonomics (c) agronomy (d) physiology	Answer: (b)
30.	The Statue of Liberty is green because of: (a) green stone (b) oxidized brass (c) steel painted green (d) oxidized copper	Answer: (d)
1.	Who invented the telephone?	Answer: (c)

	<p>(a) Thomas Alva Edison (b) Galileo (c) Alexander Graham Bell (d) G. Marconi</p>	
2.	<p>Who invented the railway engine? (a) Charles Babbage (b) Isaac Newton (c) James Watt (d) George Stephenson</p>	Answer: (d)
3.	<p>Who invented Radar? (a) Henrey Backquerel (b) Max Planck (c) Robert Watson Watt (d) Humphrey Davy</p>	Answer: (c)
4.	<p>Who invented polio vaccine (oral)? (a) Albert Sabin (b) Burkholder (c) Luise Pasture (d) Jonas Salk</p>	Answer: (a)
5.	<p>Who developed the small pox vaccination? (a) Eduard Jenner (b) Alexander Fleming (c) Albert Einstein (d) None of these</p>	Answer: (a)
6.	<p>Which one of the following was to be discovered first in the chromosphere of the sun (a) Helium (b) Neon (c) Xenon (d) Krypton</p>	Answer: (a)
7.	<p>Which famous inventor ranks second in the number of patents registered? (a) Thomas Alva Edison (b) James Watt (c) Albert Einstein (d) Edwin Land</p>	Answer: (d)
8.	<p>What famous scientist and inventor participated in the invention of the Aqua-Lung? (a) Thomas Edison (b) Isaac Newton (c) Leonardo da Vinci</p>	Answer: (d)

	(d) Jacques Cousteau	
9.	Vulcanised rubber was invented by (a) Charles Goodyear (b) William Stockes (c) J.E.Lundstrom (d) Sir Joseph Swann	Answer: (A)
10.	The system for writing by blind people was invented by (a) Louis Braille (b) Henry Bacquerel (c) Sir J.A.Fleming (d) Dr.Charles H. Townes	Answer: (a)
11.	The steam engine was invented by (a) William Stockes (b) J.E.Lundstrom (c) Sir Joseph Swann (d) James Watt	Answer: (D)
12.	The steam engine was invented by (a) James Watt (b) James Prescott Joule (c) New Commen (d) Isaac Newton	Answer: (a)
13.	The revolver was invented by (a) Eduard Jenner (b) Alexander Fleming (c) Albert Einstein (d) Samuel Colt	Answer: (d)
14.	The refrigerator was invented by (a) J.Perkins (b) Alexander Fleming (c) Albert Einstein (d) Benjamin Franklin	Answer: (a)
15.	The nuclear reactor was invented by (a) Enrico Ferni (b) Eduard Jenner (c) Alexander Fleming (d) Albert Einstein Torricelli	Answer: (a)
16.	The laws of floating bodies was discovered by (a) Pierre Simon de Laplace	Answer: (b)

	(b) Archimedes (c) Edwin Hubble (d) Joseph J. Thomson	
17.	The four blood groups were discovered by (a) Richard Feynman (b) Karl Landsteiner (c) Alfred Wegener (d) Stephen Hawking	Answer: (b)
18.	The existence of isotopes was discovered by (a) Emil Kraepelin (b) Trofim Lysenko (c) Frederick Soddy (d) Francis Galton	Answer: (c)
19.	The electro-cardiograph was invented by (a) B. F. Goodrich (b) Gottlieb Daimler (c) Karl Benz (d) William Einthoven	Answer: (d)
20.	Stethoscope was invented by (a) William Shockley (b) Tim Berners Lee (c) Chester Carlson (d) William Stockes	Answer: (d)
21.	Spinning frame was invented by (a) Charles Macintosh (b) Antoine Joseph Sax (c) Samuel Morse (d) Sir Richard Arkwright	Answer: (d)
22.	Sodium was discovered by (a) Sir Humphry Davy (b) James Watson (c) John Bardeen (d) John von Neumann	Answer: (a)
23.	Safety matches was invented by (a) Levi Strauss (b) Benjamin Franklin (c) Peter Goldmark (d) J.E.Lundstrom	Answer: (d)

24.	Rayon was invented by (a) Sir Joseph Swann (b) Adolph Rickenbacker (c) David Brewster (d) Christopher Cockerell	Answer: (a)
25.	Radium was discovered by (a) Willard Libby (b) Edward Teller (c) Ernst Haeckel (d) Marie and Pierrie Curie	Answer: (d)
26.	Radioactivity was discovered by (a) Karl Landsteiner (b) Konrad Lorenz (c) Henry Bacquerel (d) Edward O. Wilson	Answer: (c)
27.	Radio valve was invented by (a) Sir J.A.Fleming (b) George Eastman (c) William Burroughs (d) Michael Faraday	Answer: (a)
28.	Nylon was invented by (a) Dr.Wallace H.Carothers (b) Adolph Rickenbacker (c) David Brewster (d) Christopher Cockerell	Answer: (a)
29.	Microscope was invented by (a) Aaton Van Leewen Hock (b) Robert Recorde (c) William Oughtred (d) Hermann Fottinger	Answer: (a)
30.	Laser was invented by (a) Dr.Charles H. Townes (b) Edwin Hubble (c) Albert Einstein (d) S. Chandrasekhar	Answer: (a)

Everyday Science - One of the Countries through which equator passes is....

1) One of the countries through which equator passes is:

- (a) Kenya
- (b) Malaysia**
- (c) Malta
- (d) Pakistan

2) Copper can be converted into gold by:

- (a) Artificial radioactivity**
- (b) heating
- (c) Electroplating
- (d) Chemical reaction

3) The three elements needed for healthy growth of plants are:

- (a) N, P, K**
- (b) N, C, P
- (c) N, K,
- (d) N, S, P

4) Clocks, which moves with the velocities comparable with the velocity of light, run:

- (a) fast
- (b) slow
- (c) equal to the velocity of light
- (d) with zero velocity**

5) Max Planck received the noble prize in Physics in 1918 for his discovery of:

- (a) electron
- (b) energy quanta**
- (c) photon
- (d) positron

6) Bronze medal is made up of metals:

- (a) (copper,nickel)
- (b) (copper, tin)**
- (c) (copper, silver)
- (d) (copper, zinc)

7) Addison's disease is caused by the excessive secretion of:

- (a) Antiduretic Harmone
- (b) Luteinising Harmone
- (c) Melanophore stimulating Harmone
- (d) Adrenocorticotrophic Harmone**

8) Development of calf muscles in ladies who wear high heels is a common example of:

- (a) Natural Selection
- (b) inheritance of acquired character**
- (c) Use and disuse of organ
- (d) Artificial selection

9) Margalla Hill is a branch of:

- (a) Karakorum range**
- (b) Hindukash range
- (c) Himalaya range
- (d) Nanga Parbat range

10) Humming bird belongs to a category called:

- (a) Ectotherm

- (b) **Endotherm**
(c) Exotherm
(d) Heterotherm.
- (a) **Oxidation-Loss of an electron**
(b) Oxidation – gain of an electron
(c) Reduction – gain of a neutron
(d) Reduction – loss of a neutron
- (2) **Radioactive isotope of Uranium used in Nuclear Bomb is:**
(a) ${}_{92}\text{U}^{235}$
(b) ${}_{92}\text{U}^{234}$
(c) ${}_{92}\text{U}^{233}$
(d) ${}_{92}\text{U}^{238}$
- (3) **Human population growth is greatest in developing countries because:**
(a) **the birth rate is high in developing countries**
(b) the death rate is high in developing countries.
(c) much of the population has already reached the child bearing age.
(d) most of the world's population lives in industrialized countries.
- (4) **Which woody raw material is used for the manufacture of paper pulp?**
(a) Cotton
(b) **Poplar**
(c) Bagasse
(d) Rice straw
- (5) **Rectified spirit contains alcohol about:**
(a) 80%
(b) **95%**
(c) 70%
(d) 85%
- (6) **Which of the following elements is not present abundantly in earth's crust:**
(a) Silicon
(b) **Radium**
(c) Aluminum
(d) Carbon
- (7) **The famous book; Al – Qanoun was written by the Muslim scientist:**
(a.) Jabar bin Hayyan
(b) Zakariya Al – Razi
(c) **Abu Ali Sina**
(d) Abdul Qasim Majreedi
- (8) **Basic metals can be converted into gold by:**
(a) Heating
(b) Beating
(c) **Artificial nuclear radioactivity**
(d) Chemical reaction
- (9) **A light year is a unit of:**
(a) Time
(b) Energy
(c) **Length**
(d) Mass
- (10) **One of the main function of the earth's ozone layer is to:**
(a) Prevent global warming
(b) **Filter out ultraviolet rays**
(c) Absorb pollution
(d) All of the above

11. Insulin is injected into the intestines by

- A. Pancreas
- B. Liver
- C. Stomach
- D. Gall bladder

12. Lock Jaw, i.e., difficulty in opening the mouth is a symptom of

- A. Cholera
- B. Plague
- C. Tetanus
- D. Diphtheria

13. Which of the following pairs is incorrect?

- A. Plague-rats
- B. Rabies-dog
- C. Tapeworm-pig
- D. Poliomyelitis-monkey

14. Match the following columns

Column I Column II

- A. Air-borne 1. Tetanus
- B. Water-borne 2. Tuberculosis
- C. Contact 3. Cholera
- D. Wound 4. Syphilis

A B C D

(a) 2 3 1 4

(b) 2 3 4 1

(c) 3 2 4 1

(d) 4 3 2 1

15. Ricketts is a disease of the

- A. Bones
- B. Tissue
- C. Muscles
- D. Blood

16. Which of the following statements is correct?

- A. Pulmonary artery carries pure blood
- B. Pulmonary artery carries impure blood
- C. Pulmonary vein carries impure blood
- D. None of these

17. Lungs are situated in the

- A. Abdominal cavity
- B. Pericardial cavity
- C. Buccal cavity
- D. Thoracic cavity

18. The human cell contains

- A. 44 chromosomes
- B. 48 chromosomes
- C. 46 chromosomes
- D. 23 chromosomes

19. Enzymes help in

- A. Respiration
- B. Digestion of food
- C. Immune system
- D. Reproduction

20. Food is normally digested in the

- A. Liver
- B. Stomach
- C. Small intestines
- D. Large intestines

11. a 12. c 13. d 14. b 15. a
16. b 17. d 18. c 19. b 20. C

26. Myopia is a disease connected with

- A. Ears
- B. Eyes
- C. Lungs
- D. Brain

27. Leukemia is a disease of the

- A. Lungs
- B. Blood
- C. Skin
- D. Nerves

28. Short-sightedness can be corrected by using

- A. Convex lens
- B. Concave lens
- C. Convex-concave lens
- D. Concave-convex lens

29. Trachoma is a disease of the

- A. Liver
- B. Eyes
- C. Lungs
- D. Kidneys

30. Match the following

Column I Column II

- A. Beriberi 1. Vitamin A
- B. Scurvy 2. Vitamin B
- C. Rickets 3. Vitamin C
- D. Night Blindness 4. Vitamin D

A B C D

(a) 3 2 1 4

(b) 2 1 3 4

(c) 2 3 4 1

(d) 2 3 1 4

31. Typhoid and cholera are typical examples of

- A. Infectious diseases
- B. Air-borne disease
- C. Water-borne disease
- D. None of these

32. Pyorrhoea is a disease of the

- A. Nose
- B. Gums
- C. Heart
- D. Lungs

33. Lack of what causes diabetes.

- A. Sugar
- B. Insulin
- C. Calcium
- D. Vitamins

34. Appendix is appendix is a part of

- A. Small intestine
- B. Large intestine
- C. Stomach
- D. Liver

35. Match the following columns

Column I Column II

- A. Cataract 1. Bones
- B. Jaundice 2. Eyes
- C. Diabetes 3. Liver
- D. Arthritis 4. Pancreas

A B C D

(a) 2 3 4 1

(b) 2 3 1 4

(c) 1 3 4 2

(d) 3 2 4 1

36. Bronchitis is a disease of which of the following organs?

- A. Blood
- B. Bladder
- C. Liver
- D. Respiratory tract

37. ECG is used for the diagnosis of ailments of

- A. Brain
- B. Heart
- C. Kidneys
- D. Lungs

38. Biopsy is done on

- A. Tissues taken from a dead body
- B. Tissues taken from a living body
- C. Blood from veins
- D. Blood from arteries

39. Barium is used for

- A. Checking blood group
- B. X-ray of alimentary canal
- C. X-ray of brain
- D. None of these

40. Dialysis is used for the treatment of

- A. Kidney failure
- B. Heart weakness
- C. Brain diseases
- D. None of these

ANSWERS

26. b 27. b 28. b 29. b 30. c
31. c 32. b 33. b 34. b 35. a
36. d 37. b 38. b 39. b 40. a