

Biology Quiz and GK
By – QuizKaSamna.com
Part – 1

Q. Which of the following animals is a parasite?

- 1) Amoeba
- 2) Sponge
- 3) Plasmodium
- 4) Earthworm

ANS: 3

Q. Bamboo is a

- 1) Tree
- 2) Climber
- 3) Shrub
- 4) Herb

ANS: 3

Q. pH value of blood is

- 1) in between 8 and 9
- 2) greater than 10
- 3) less than 6
- 4) in between 7 and 8

ANS: 4

Q. Ultra filtration and reabsorption process takes place during the -

- 1) Circulation of blood in vessels
- 2) transport of gas through blood
- 3) excretion and urine formation
- 4) exchange of gases during respiration

ANS: 3

Q. Identify the correct statement about class Insecta from the option given below.

- 1) It has three pair of legs
- 2) It has joined legs
- 3) It has one pair of legs in each body segment
- 4) it has leg present in thoracic segments

ANS: 3

Q. Which of the following organism is a colonial form?

- 1) Amoeba
- 2) Chlamydomonas
- 3) Polysiphonia
- 4) Volvox

ANS: 4

Q. The element that is not found in blood is -

- 1) Iron
- 2) Chromium
- 3) Copper
- 4) Magnesium

ANS: 2

Q. Human breath is visible in winter but not in summer because

- 1) water vapour in breath condenses in cold air, making it visible
- 2) the difference in outside pressure gives visibility to breath
- 3) breath contains certain impurities and visible matters
- 4) none of these

ANS: 1

Q. Abnormal level of cholesterol is associated with -

- 1) Hardening of arteries
- 2) Hardening of veins
- 3) Kidney stones formation
- 4) Liver cirrhosis

ANS: 1

Q. The rotation of crops is essential for -

- 1) Increasing protein content in plants
- 2) Getting different crops
- 3) Increasing soil fertility
- 4) Maintaining soil moisture

ANS: 3

Q. Influenza is caused by a -

- 1) Virus
- 2) Fungus
- 3) Algae
- 4) Bacterium

ANS: 1

Q. The release of which of the following into ponds and wells helps in controlling mosquitoes?

- 1) Snail
- 2) Crab
- 3) Dogfish
- 4) Gambusia fish

ANS: 4

Q. The peptide bond is formed between -

- 1) Amino group and hydroxyl group
- 2) Two hydroxyl groups
- 3) Amino group and carboxyl group
- 4) Amino group and carbonyl group

ANS: 3

Q. Which is the causal organism of smallpox?

- 1) Rubella virus
- 2) Variola virus
- 3) Ebola virus
- 4) Cytomegalo virus

ANS: 2

Q. The Goiter disease is caused due to the hypofunction of -

- 1) Thyroid
- 2) Parathyroid
- 3) Thymus
- 4) Pituitary

ANS: 1

Q. Excretory organ of cockroach is -

- 1) Nephridia
- 2) Malpighian tubules
- 3) Malpighian Corpuscles
- 4) Kidney

ANS: 2

Q. The lens of the eye is behind the -

- 1) Retina
- 2) Optic nerve
- 3) Pupil
- 4) Vitreous human

ANS: 3

Q. A biome is -

- 1) A collection of rare plants and animals
- 2) A delimited area
- 3) A group of plants growing in the particular area
- 4) A large collection of flora and fauna occupying a major habitat.

ANS: 4

Q. Loss of water in plants in the form of liquid is known as -

- 1) Transpiration
- 2) Imbibition
- 3) Osmosis
- 4) Guttation

ANS: 1

Q. The teeth lacking in Herbivorous animals is -

- 1) Canine
- 2) Premolar
- 3) Molar
- 4) Incissor

ANS: 3

Q. Hiccups in human generally occur due to the forceful downward shifting of the -

- 1) diaphragm
- 2) trachea
- 3) lungs
- 4) larynx

ANS: 1

Q. In normal cells, the process of the flow of genetic information from DNA to RNA is called -

- 1) Transportation
- 2) Transcription
- 3) Translocation
- 4) Translation

ANS: 2

Q. How do Pteridophytes reproduce ?

- 1) With the help of budding
- 2) With the help of spores
- 3) With the help of pollens
- 4) With the help of seeds

ANS: 2

Q. Which vitamin is most helpful in blood clotting?

- 1) Vitamin A
- 2) Vitamin B
- 3) Vitamin C
- 4) Vitamin K

ANS: 4

Q. Which part of the human brain is mainly responsible for the regulation of body temperature?

- 1) Hypothalamus
- 2) Thalamus
- 3) Cerebrum
- 4) Cerebellum

ANS: 1

Q. Which enzyme converts proteins into amino acids?

- 1) Lipases
- 2) Pepsin
- 3) Amylase
- 4) Lactase

ANS: 2

Q. Which of the following food items would have highest per gram calorific value?

- 1) Ghee
- 2) Maize
- 3) Rice
- 4) Meat

ANS: 1

Q. Why is immunization against the common cold not very effective?

- 1) No vaccine against common cold has been developed
- 2) common cold occurs due to climatic conditions
- 3) A large number of strains of rhinovirus is present thereby making immunization ineffective
- 4) the casual organism for common cold has not been identified till now

ANS: 3

Q. Which of the following microorganism causes dysentery?

- 1) Salmonella
- 2) Shigella
- 3) Leishmania
- 4) Plasmodium

ANS: 2

Q. An antibiotic is not useful against a virus whereas a vaccine is. Which one of the following is the most appropriate reason for this?

- 1) An antibiotic can break RNA only, whereas virus has DNA
- 2) An antibiotic is a carbohydrate in its chemical nature, whereas a vaccine is a protein which works well to kill a virus
- 3) Only a vaccine can break the genetic material of a virus
- 4) A virus does not use biochemical pathways which can be blocked by an antibiotic. But a vaccine can boost an immune system to fight the virus

ANS: 4

Q. Which cell organelles have their own DNA and Ribosomes?

- 1) Golgi body and Endoplasmic Reticulum
- 2) Mitochondria and Plastids
- 3) Lysosome and Golgi body
- 4) Vacuole and Plastids

ANS: 2

Q. A student was doing an experiment on increasing the cell division among plants. She asked her supervisor to suggest the specific plant hormone for the same. Had you been her super-visor, which plant hormone would you suggest?

- 1) Abscisic acid
- 2) Gibberellins
- 3) Cytokinin

4) Auxin

ANS: 3

Q. A child receives a tall beautiful plant as a birthday gift from his father with a quiz. The father asked her how she would verify whether this tall plant was the progeny of both the tall parents or one tall and one short parent plant. She could verify this through -

- 1) cross-pollination
- 2) self-pollination
- 3) tissue culture
- 4) negative propagation

ANS: 3

Q. The protein component of the food diet is mainly responsible for -

- 1) energy only
- 2) energy and growth
- 3) growth and repair
- 4) growth only

ANS: 3

Q. Sickle cell anemia is caused due to the -

- 1) deficiency of folic acid
- 2) Abnormal level of hemoglobin
- 3) Deficiency of iron
- 4) Production of less number of RBCs

ANS: 2

Q. Which acid mainly causes muscle fatigue?

- 1) Nucleic Acid
- 2) Amino Acid
- 3) Lactic Acid
- 4) Fatty Acid

ANS: 3

Q. Which one of the following naturally occurring acids is found in abundance in tomato?

- 1) Acetic acid
- 2) Citric acid
- 3) Oxalic acid
- 4) Tartaric acid

ANS: 2

Q. Which one of the following is the structure of a cardiac muscle cell?

- 1) Cylindrical, Unbranched and Multinucleate
- 2) Spinal shaped, Unbranched and Uninucleate
- 3) Spinal shaped, Branched and Uninucleate
- 4) Cylindrical, Branched and Uninucleate

ANS: 4

Q. Which one among the following is a free living animal?

- 1) Liver fluke
- 2) Wuchereria
- 3) Plasmodium
- 4) Planaria

ANS: 4

Q. Sleeping sickness is caused by -

- 1) Trypanosoma
- 2) Leishmania
- 3) Plasmodium
- 4) Paramecium

ANS: 1

Q. Cell wall is not present in cells of -

- 1) Bacteria
- 2) Plants
- 3) Fungi
- 4) Humans

ANS: 4

Q. Peptides are present in every living cell and possess a variety of biochemical activities. Peptides appear as -

- 1) Enzymes
- 2) Hormones
- 3) Antibiotics
- 4) All of the above

ANS: 4

Q. Which of the following pairs is not matched correctly?

- 1) Kwashiorkor-Protein Deficiency
- 2) Osteoporosis-Calcium Deficiency
- 3) Scurvey-Vitamin K deficiency
- 4) Beri-Beri-Vitamin B1 deficiency

ANS: 3

Q. Metabolic Syndrome includes -

- I. Hypertension
- II. High Blood Sugar
- III. Excess body fat around the waist
- IV. Abnormal Cholesterol

Correct code is -

- 1) Only I and II
- 2) Only III and IV
- 3) Only I, II and IV
- 4) All I, II, III and IV

ANS: 4

Note: Metabolic syndrome is directly related to consumption of Trans Fatty Acids. Metabolic syndrome increases person's risk of heart attack and stroke.

Q. Which is a plant called Prosopis juliflora often mentioned in news ?

- 1) Its extract is widely used in cosmetics
- 2) It tends to reduce the biodiversity in the area in which it grows
- 3) Its extract is used in the synthesis of pesticides
- 4) None of the above

ANS: 2

Q. Which of the following diseases is caused by female Anopheles mosquito ?

- 1) Chicken Pox
- 2) Malaria
- 3) Black Fever
- 4) Cholera

ANS: 3

Q. The method of soil conservation in which stones, grass, soil are used to build barriers along contours and trenches are made in front of the barriers to collect water is called ?

- 1) Mulching
- 2) Contour barriers
- 3) Rock dam
- 4) Terrace farming

ANS: 2

Q. In male reproductive system, the testes are situated outside the abdominal cavity within a pouch called

- 1) Glands
- 2) Scrotum
- 3) Testicular Lobules
- 4) Seminiferous Tubules

ANS: 2

Q. Which of the following is not among the 3 main classes of Algae ?

- 1) Chlorophyceae
- 2) Rhodophyceae
- 3) Phaeophyceae
- 4) Gymnosperms

ANS: 4

Q. Sycon (Scypha), Spongilla (Fresh water sponge) and Euspongia (Both sponge) are examples of which Phylum ?

- 1) Coelenterata
- 2) Platyhelminthes
- 3) Ctenophora
- 4) Porifera

ANS: 4

Q. Which part of our body gets affected by tuberculosis?

- 1) Blood
- 2) Lungs
- 3) Eyes
- 4) Liver

ANS: 2

Note: Tuberculosis (TB) is a disease caused by germs that are spread from person to person through the air.

Q. Which of the following statements is incorrect about Trans Fatty Acids?

- 1) Consumption of Trans Fatty acids is a significant risk factor for cardiovascular diseases
- 2) Trans fatty acids are a major source of adulteration in Desi Ghee and mustard oil
- 3) Trans fatty acids are associated with a high risk of developing obesity, Type-2 diabetes, metabolic syndrome, insulin resistance, infertility and certain types of cancers
- 4) Natural source of TFAs is oilseeds

ANS: 4

Q. Infertility among women is caused by -

- 1) Vitamin B12 deficiency
- 2) Vitamin D deficiency
- 3) Both (A) and (B)
- 4) Neither (A) nor (B)

ANS: 3

Q. Dwarfism is the result of -

- 1) Excessive secretion of thyroxine hormone
- 2) Excessive secretion of growth hormone
- 3) Less secretion of adrenaline hormone
- 4) Less secretion of growth hormone

ANS: 4

Q. Pancreatic hormones help -

- I. Regulate blood sugar levels.
- II. Regulate appetite.
- III. Stimulate stomach acids.

Correct code is -

- 1) Only I
- 2) Only II and III
- 3) All I, II, III
- 4) Only III

ANS: 3

Q. Which of the pairs is not matched correctly in relation to scientific name of certain organisms?

- 1) Potato - Solanum Tuberosum
- 2) Wheat - Triticum aestivum
- 3) Paramecium - Paramecium caudatum
- 4) None of the above

ANS: 4

Q. What is the shape of chloroplast in spirogyra?

- 1) Cup shape
- 2) Griddle shape
- 3) Spiral shape
- 4) Ring shape

ANS: 3

Q. Which of the following cells show diversity of cells in human body?

- 1) Nerve cell
- 2) Muscle cell
- 3) Fat cell
- 4) Epithelial cell

ANS: 4

Q. During the anaerobic respiration that takes place in our muscles while doing rigorous exercise, what is the end product formed in the muscle?

- 1) Acetic Acid
- 2) Carbon dioxide
- 3) Ethanol
- 4) Lactic Acid

ANS: 4

Q. Which of the following is a fresh water sponge?

- 1) Sycon
- 2) Euspongia
- 3) Spongilla
- 4) Pleurobrachia

ANS: 3

Q. Which of the following statements is/ are correct?

- I. The plants get rid of gaseous waste through stomata in leaves and lenticels in stems.
- II. The plants get rid of stored solid and liquid wastes by the shedding of leaves, peeling of bark and falling of fruits.
- III. The plants get rid of waste by secreting them in the form of gums and resins.
- IV. Plants excrete some waste substances into the soil around them.

Correct code is -

- 1) Only I and II
- 2) Only III and IV
- 3) Only III
- 4) All I, II, III and IV

ANS: 4

Q. Which of the following statements is/ are correct in relation to respiration in animals?

- I. Amoeba breathes through its cell membrane.

- II. Fish breathes through a special breathing organ called 'gills'.
III. The gas exchange in a earth-warm takes place through its thin and moist skin.

Correct code is -

- 1) Only II
- 2) Only I and II
- 3) Only II and III
- 4) All I, II and III

ANS: 4

Q. Which one of the following is a distinctive characteristic of angiosperm?

- 1) Thick bark
- 2) Small roots
- 3) Long leaf
- 4) Conceald seeds

ANS: 4

Q. In the plant kingdom, Fems and Fern allies belong to which group?

- 1) Gymnosperms
- 2) Thallophyta
- 3) Bryophyta
- 4) Pteridophyte

ANS: 4

- 2) Nervous System
- 3) Hormones
- 4) Water contents present among them

ANS: 3

Q. Which of the following pairs is/ are matched correctly in relation to disease and its causative organism?

- I. Cholera - Bacteria
- II. Measles - Virus
- III. Malaria - Parasite
- IV. Marasmus - Nutritional Deficiency

Correct code is -

- 1) Only I
- 2) Only II and IV
- 3) Only III and IV
- 4) I, II, III and IV

ANS: 4

Q. Which of the following phytohormones are involved in the control and coordination in plants?

- I. Auxins
- II. Abscisic Acid (ABA)
- III. Cytokinins
- IV. Gibbellins

Correct code is -

- 1) All I, II, III and IV

- 2) Only I, II and III
- 3) Only II, III and IV
- 4) Only I and IV

ANS: 1

Q. The proportion of in the inhaled air and exhaled air remains same.

- 1) Oxygen
- 2) Nitrogen
- 3) Carbon dioxide
- 4) Water Vapour

ANS: 2

Q. Which of the following ingredients is necessary for Photosynthesis?

- I. Sunlight II. Chlorophyll
III. Carbon dioxide IV. Water

Correct code is -

- 1) Only I and II
- 2) Only II
- 3) Only I, II and IV
- 4) All I, II, III and IV

ANS: 4

Q. The pouch connected to the junction of the small intestine and the large intestine is called -

- 1) condyle
- 2) caecum
- 3) coccyx
- 4) axilia

ANS: 2

Q. Thyroid gland produces a hormone called Thyro-xine which -

- 1) controls blood glucose levels
- 2) controls ovulation
- 3) controls metabolic rate
- 4) maintains pregnancy

ANS: 3

Q. Which one of the following is not a monatomic element?

- 1) Copper
- 2) Helium
- 3) Iodine
- 4) Barium

ANS: 3

Q. Who among the following popularized the use of embryological characters in taxonomy?

- 1) Carl Linnaeus
- 2) Panchanan Maheshwari
- 3) Birbal Sahni
- 4) Bentham and Hooker

ANS: 1

Q. Which substance covers the root of the tooth?

- 1) Cementum
- 2) Pulp
- 3) Dentin
- 4) Enamel

ANS: 1

Q. What is the primary function of the eccrine glands?

- 1) To produce sweat
- 2) To produce colour of the skin
- 3) To produce body hair
- 4) To produce growth hormones

ANS: 1

Q. Which muscles in the skin contract to make the hairs on our skin stand up straight (goose bumps) when we are cold or frightened?

- 1) Elastin
- 2) Epidermis
- 3) Collagen
- 4) Arrector pilli

ANS: 4

Q. The period after parturition in which animal produce milk is called -

- 1) Dry period
- 2) Calving period
- 3) Conception
- 4) Lactation period

ANS: 4

Q. Which of the following is not a disease caused by nutritional deficiency?

- 1) Night Blindness
- 2) Beri-Beri
- 3) Gastroenteritis
- 4) Rickets

ANS: 3

Q. The plants coordinate their behavior against environmental change by using -

- 1) Nutrients present among them

Q. Which of the following pairs is not matched correctly?

- 1) Malaria - Female Anopheles
- 2) Filariasis - Culex
- 3) Dengu - Aedes
- 4) Sleeping Sickness - Sand-fly

ANS: 4

Q. Which one of the following diseases may be caused by the deficiency of vitamin C?

- 1) Rickets
- 2) Rabies
- 3) Hepatitis
- 4) Scurvy

ANS: 4

Q. Which one of the following statements regarding viruses is not true?

- 1) Viruses need living cells to reproduce
- 2) All viruses are parasites
- 3) Viruses can synthesize their food through photosynthesis
- 4) Viruses are similar to chemical substances outside the host

ANS: 4

Q. Which one of the following is a bacterium that causes disease in the human body?

- 1) Varicella zoster
- 2) Trypanosoma gambiense
- 3) Salmonella typhi
- 4) Plasmodium falciparum

Q. Elephantiasis disease in human beings is caused by -

- 1) Wuchereria
- 2) Ascaris
- 3) Enterobius
- 4) Ancylostoma

ANS: 1

Q. Which of the following is known as the defense mechanism of human body against foreign organism?

- 1) Leukocytes
- 2) Erythrocytes
- 3) Platelets
- 4) Lymph

ANS: 1

Note: Leukocytes (White Blood Cells) are of two kinds : Phagocytes and Immunocytes. Phagocytes are capable of Phagocytosis and they carry out the function of body defence by engulfing bacteria and other foreign substances.

Q. The human eye forms the image of an object at its -

- 1) Cornea
- 2) Iris
- 3) Pupil
- 4) Retina

ANS: 4

Q. The helps in equalising the pressure on either sides of the ear drum.

- 1) cochlear nerve
- 2) malleus
- 3) eustachian tube
- 4) incus

ANS: 3

Q. Which of the following is not a part of the brain?

- 1) Medulla
- 2) Thalamus
- 3) Pons
- 4) Pinna

ANS: 4

ANS: 3

Q. Which one of the following statements is correct?

- 1) Xylem consists of tracheid's, vessels, xylem parenchyma and xylem fibers
- 2) Flexibility in plants is due to sclerenchyma
- 3) Parenchyma have no intercellular spaces
- 4) Xylem consists of sieve plate, sieve tube and companion cells

ANS: 4

Q. Which of the following regulates the activities of heart, lungs and urinary bladder?

- 1) Cranial Nerves
- 2) Spinal Nerves
- 3) Visceral Nerves
- 4) None of the above

ANS: 3

Q. Which of the following is an excellent biofertilizer?

- 1) Azolla
- 2) Salvinia
- 3) Marsilea
- 4) Pteridium

ANS: 1

Q. The camel's hump is composed of a tissue which provides water when oxidised. It is a -

- 1) Skeletal Tissue
- 2) Areolar Tissue
- 3) Adipose Tissue
- 4) Muscular Tissue

ANS: 3

Q. Which of the following pairs is not matched correctly?

- 1) Liver Cirrhosis - Noncommunicable disease

- 2) Goiter - Lack of iodine in the Food
- 3) Kwashiorkor - Protein Deficiency
- 4) Measles - Bacterial Infection

ANS: 4

Note: Measles is caused by a virus in the paramyxovirus family.

Q. Which of the following fishes are bred exclusively in the cold regions of India -

- I. Catla II. Tinea
- III. Bhetki IV. Trout

Correct code is -

- 1) I and II only
- 2) I and IV only
- 3) II and IV only
- 4) III and IV only

ANS: 3

ANS: 2

Note: Rhizome of ginger is a modification of stem in vascular plants because it bears internodes and nodes. - Rhizome is found under the ground and they send roots and shoots with the help of nodes outside the ground. The other name of rhizomes is the creeping root stalks of the plant.

Q. The sensitive area of the human tongue to bitterness is -

- 1) tip
- 2) middle part
- 3) posterior part
- 4) edge

ANS: 3

Note: The bitterness can be tasted at the posterior part of the tongue. Bitter taste is one of four taste receptors of the tongue. It used to be thought that they were located toward the back of the tongue.

Q. The malfunctioning of thyroid gland is due to the deficiency of -

- 1) vitamin A
- 2) calcium
- 3) iodine
- 4) iron

ANS: 3

Note: Iodine is an element that is needed for the production of thyroid hormone. The body does not make iodine, so it is an essential part of our diet Iodine helps convert thyroid stimulating hormone (TSH) to triiodothyronine (T3) and thyroxine (T4). This conversion is important for the thyroid to function properly.

Q. The female sex hormone is -

- 1) estrogen
- 2) androgen
- 3) insulin

4) oxytocin

ANS: 1

Note: Estrogen is one of two main sex hormones that women have. The other one is progesterone. Estrogen is responsible for female physical features and reproduction. Men have estrogen, too, but in smaller amounts.

Q. The vitamin which is effective in blood clotting is -

- 1) vitamin A
- 2) vitamin B
- 3) vitamin D
- 4) vitamin K

ANS: 4

Note: Vitamin K is a nutrient that the body needs to stay healthy. It's important for blood clotting and healthy bones and also has other functions in the body.

Q. The best example of the extinction of species due to man's intervention is -

- 1) Kiwi
- 2) Dodo
- 3) Przewalski's horse
- 4) Bustard

ANS: 2

Q. Marsilea, Fern, and Horse-tail are examples of which one of the following plant groups?

- 1) Pteridophyta
- 2) Bryophyta
- 3) Gymnosperms
- 4) Angiosperms

ANS: 1

Q. Which one of the following is not found in animal cells?

- 1) Free ribosomes
- 2) Mitochondria
- 3) Nucleolus
- 4) Cell wall

ANS: 4

Q. Which one of the following acids is also known as Vitamin C?

- 1) Methanoic acid
- 2) Ascorbic acid
- 3) Lactic acid
- 4) Tartaric acid

ANS: 2

Q. Milk is a poor source of -

- 1) calcium

- 2) protein
- 3) vitamin C
- 4) carbohydrate

ANS: 3

Q. The radiations used in the treatment of muscle ache are -

- 1) infrared
- 2) microwave
- 3) UV
- 4) X-ray

ANS: 1

Q. Clove, a spice, is obtained from which part of the plant?

- 1) Fruit
- 2) Stem
- 3) Root
- 4) Flower bud

ANS: 4

Note: Cloves are the aromatic flower buds of *S. aromaticum*, a plant native to the Maluku Islands in Indonesia, and commonly used as a spice.

Q. Legumes are highly nutritious because they are rich in -

- 1) fat
- 2) protein
- 3) oil
- 4) starch

ANS: 2

Q. Which one of the following cell organelles is known as suicide bags of a cell?

- 1) Lysosomes
- 2) Plastids
- 3) Endoplasmic reticulum
- 4) Mitochondria

ANS: 1

Q. Which one of the following body parts/ organs of the human body does not have smooth muscles?

- 1) Ureters
- 2) Iris of eye
- 3) Bronchi of lungs
- 4) Biceps

Q. Which one of the following is not a major cause of Wildlife Extinction?

- 1) Loss of natural habitat

- 2) To make fire in the forest
- 3) Illegal commercial trade of wildlife
- 4) Fast pace of population growth

ANS: 4

Q. Consider the following statements about human brain -

1. The brain is responsible for regulating the heart beat.
2. It is responsible for balancing the body.

Select the correct answer using the codes given below -

- 1) Only 1 is correct
- 2) Only 2 is correct
- 3) 1 and 2 both are correct
- 4) Neither 1 nor 2 is correct

ANS: 3

Q. Which of the following vitamins is mainly responsible for blood coagulation in human being?

- 1) Vitamin K
- 2) Vitamin E
- 3) Vitamin A
- 4) Vitamin C

ANS: 1

Note: Vitamin K is primarily known for its role in clotting. It is also a key component in preventing blood clots. There are anticoagulation proteins which all depend on sufficient amounts of vitamin K to be functional and thus active.

Q. Use of polished rice in human diet causes following diseases -

- 1) Rickets
- 2) Anemia
- 3) Goitre
- 4) Beri-beri

ANS: 4

Note: Polished rice refers to rice which has been milled, to remove the husk, germs, bran and varying amounts of the nutrients contained in them.

Q. In human body, the digestion of protein begins in which of the following organs?

- 1) Liver
- 2) Mouth
- 3) Small intestine
- 4) Stomach

ANS: 4

Q. Glucose is converted to ethyl alcohol by the enzyme -

- 1) maltase
- 2) invertase
- 3) zymase
- 4) diastase

ANS: 3

Note: Legumes are typically low in fat, contain no cholesterol, and are high in folate, potassium, iron and magnesium. They also contain beneficial fats and soluble and insoluble fiber. A good source of protein, legumes can be a healthy substitute for meat, which has more fat and cholesterol.

Q. Among the following, which is not a true fruit?

- 1) Apple
- 2) Grape
- 3) Date
- 4) Plum

ANS: 1

Q. The sweetest sugar among the following is -

- 1) fructose
- 2) glucose
- 3) maltose
- 4) sucrose

ANS: 1

Q. Ginger is a stem and not root because -

- 1) it stores food material
- 2) it has nodes and internodes
- 3) it grows horizontally in the soil
- 4) it lacks chlorophyll

ANS: 2

Q. Change in the base sequence within a gene is called -

- 1) Mutation
- 2) Cloning
- 3) Fusion
- 4) Breeding

ANS: 1

Note: Gene mutations are changes in single DNA bases or small intragenic deletions and rearrangements viral, genomes contain either DNA or RNA. Mutation modifies an organism's genetic makeup, it can prove harmless, helpful or even hurtful.

ANS: 4

Q. Which one of the following organisms is responsible for sleeping sickness?

- 1) Leishmania
- 2) Trypanosoma
- 3) Ascaris
- 4) Helicobacter

ANS: 2