

**Biology Quiz and GK**  
**By – [QuizKaSamna.com](http://QuizKaSamna.com)**  
**Part - 5**

**Q. Which one of the following elements is essential for the formation of chlorophyll in green plants?**

- 1) Calcium
- 2) Iron
- 3) Magnesium
- 4) Potassium

ANS: 3

**Q. Which one of the following crops is not cultivated in Karewas, the lacustrine deposits of sand, clay, loam, silt and boulders?**

- 1) Saffron
- 2) Almond
- 3) Walnut
- 4) Ling nut

ANS: 4

**Q. Which of the following classes of animals has/have three chambered heart?**

- 1) Pisces and Amphibia
- 2) Amphibia and Reptilia
- 3) Reptilia only
- 4) Amphibia only

ANS: 2

**Q. Which of the following is the largest external organ of the human body?**

- 1) Head
- 2) Skin
- 3) Tongue
- 4) Pancreas

ANS: 2

**Q. Which of the following parasites cause Malaria?**

- 1) Trypanosoma
- 2) Plasmodium
- 3) Entamoeba gingivalis
- 4) None of the above

ANS: 2

**Q. Which one of the following statements regarding histone proteins is correct?**

- 1) Histones are proteins that are present in mitochondrial membrane
- 2) Histones are proteins that are present in nucleus in association with DNA

- 3) Histones are proteins associated with lipids in the cytosol
- 4) Histones are proteins associated with carbohydrates in the cytosol

ANS: 2

**Q. Any organism with more than two genomes is called as -**

- 1) Monoploids
- 2) Polyploid
- 3) Diploid
- 4) Haploid

ANS: 2

**Q. Select the significance of meiosis -**

- 1) It helps in growth of multicellular organisms
- 2) It helps in cell repair
- 3) It maintains the same number of chromosomes in daughter cells as of parent cell
- 4) It creates variation

ANS: 4

**Q. Initiation of milk secretion is called -**

- 1) Lactogenesis
- 2) Galactogenesis
- 3) Galactopiosis
- 4) None of these

ANS: 1

**Q. Accumulation of which one of the following in the muscles of sprinters leads to cramp?**

- 1) Lactic acid
- 2) Ethanol
- 3) Pyruvic acid
- 4) Glucose

ANS: 1

**Q. The antibiotic penicillin is extracted from -**

- 1) Bacteria
- 2) Virus
- 3) Plant
- 4) Animal

ANS: 3

**Q. The following plant is able to absorb most of the pollutant in water -**

- 1) Mango
- 2) Coconut
- 3) Hydrilla
- 4) Eichhornia

ANS: 4

**Q. What is triglyceride ?**

- 1) Protein
- 2) Carbohydrate
- 3) Fat
- 4) Mineral

ANS: 3

**Q. Which ecosystem has the maximum biomass ?**

- 1) Lake
- 2) Pond
- 3) Forest
- 4) Grassland

ANS: 3

**Q. At what time after child birth is the DPT vaccine administered to a newborn ?**

- 1) 6 weeks
- 2) 6 months
- 3) 6 days
- 4) 6 hrs.

ANS: 1

**Q. Which of the following organs do not produce digestive juices ?**

- 1) Stomach
- 2) Liver
- 3) Pancreas
- 4) Urinary bladder

ANS: 4

**Q. Which blood group is known as Universal Donor ?**

- 1) 'A'
- 2) 'B'
- 3) 'AB'
- 4) 'O'

ANS: 4

**Q. Which hormone is produced in insufficient amounts in Type-1 diabetes ?**

- 1) Glucagon

- 2) Insulin
- 3) Somatostatin
- 4) Both (A) and (B)

ANS: 2

**Q. DNA fragments separated on an Agarose gel can be visualised after staining with -**

- 1) Aniline blue
- 2) Ethidium Bromide
- 3) Acetocarmine
- 4) Bromophenol blue

ANS: 2

**Q. A genetic disorder in which blood does not clot normally is -**

- 1) Cystic fibrosis
- 2) Thalassemia
- 3) Sickle cell anemia
- 4) Hemophilia

ANS: 4

**Q. Based upon the type of excretory substance, the human species is -**

- 1) Uricotelic
- 2) Ureotelic
- 3) Ammonotelic
- 4) Ureotelic and Uricotelic, both

ANS: 2

**Q. Which one of the following is a true fish as per the biological system of classification?**

- 1) Silverfish
- 2) Jellyfish
- 3) Cuttlefish
- 4) Flying fish

ANS: 4

**Q. In which one of the following types of connective tissues in animals does fat get stored ?**

- 1) Adipocyte
- 2) Chondrocyte
- 3) Osteocyte
- 4) Reticulocyte

ANS: 1

**Q. Lysosome is formed from which of the following cell organelles?**

- 1) Nucleus
- 2) Endoplasmic reticulum

- 3) Golgi bodies
- 4) Ribosomes

ANS: 3

**Q. Carbohydrates is a nutrient stored in both plants and animals in the form of :**

- 1) Cellulose and galactose respectively
- 2) Starch and Glycogen respectively
- 3) Starch and Glucose respectively
- 4) Cellulose and Glycogen respectively

ANS: 2

**Q. The main air pollutant(s) in metropolitan cities is/ are -**

- 1) O<sub>3</sub>
- 2) CO and SO<sub>2</sub>
- 3) CO<sub>2</sub> and NO<sub>2</sub>
- 4) None of the above

ANS: 2

**Q. Which of the following is a medicinal crop?**

- 1) Sugarcane
- 2) Aloe vera
- 3) Cotton
- 4) Mahua

ANS: 2

**Q. Which of the following diseases is also known as Elephantiasis ?**

- 1) Lymphatic filariasis
- 2) Renal Failure
- 3) Giardia intestinalis
- 4) None

ANS: 1

**Q. Which of the following vaccines is administered through intradermal route -**

- 1) Polio vaccine
- 2) BCG vaccine
- 3) Ante cholera vaccine
- 4) Measles vaccine

ANS: 2

**Q. Which vitamin is also known as 'calciferol' ?**

- 1) Vitamin 'A'
- 2) Vitamin 'B'
- 3) Vitamin 'C'
- 4) Vitamin 'D'

ANS: 4

**Q. Which of the following is the largest part of human brain ?**

- 1) Cerebrum
- 2) Cerebellum
- 3) Brain stem
- 4) Corpus callosum

ANS: 1

**Q. In human eye, the image of an object is formed at -**

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

ANS: 3

**Q. Which of the following is non-biodegradable?**

- 1) Animal bones
- 2) Nylon
- 3) Tea leaves
- 4) Wool

ANS: 2

**Q. Animal dung is ..... waste.**

- 1) Biodegradable
- 2) Non-biodegradable
- 3) Hazardous
- 4) Toxic

ANS: 1

**Q. A natural phenomenon that becomes harmful due to pollution is -**

- 1) global warming
- 2) ecological balance
- 3) greenhouse effect
- 4) desertification

ANS: 3

**Q. Medicine of quinine is produced by -**

- 1) eucalyptus plant
- 2) aconite plant

- 3) cinchona plant
- 4) money plant

ANS: 3

**Q. Chief source of energy in environment is -**

- 1) fire
- 2) moon
- 3) sun
- 4) stars

ANS: 3

**Q. The factors which are most important in determining the impact of anthropogenic activities on environment are -**

- 1) Population, affluence per person, land available per person
- 2) Population, affluence per person and the technology used for exploiting resources
- 3) Atmospheric conditions, population and forest cover
- 4) Population, forest cover and land available per person

ANS: 2

**Q. The bio-fertilizer used as a supplementary food for the cattle, especially for milking bovines is -**

- 1) Azolloa
- 2) Rhizobium
- 3) Azospirillum
- 4) Azotobacter

ANS: 1

**Q. Name one non-biodegradable waste which may pollute the earth to dangerous levels of toxicity, if not handled properly.**

- 1) DDT
- 2) CFC
- 3) Radioactive substances
- 4) PAN

ANS: 3

**Q. In a lake polluted with pesticides, which one of the following will contain the maximum amount of pesticides?**

- 1) Small fish
- 2) Microscopic animals
- 3) Big fish
- 4) Water birds

ANS: 4

**Q. Name the substance whose accumulation in pelicans of Lake Michigan led to the formation of thin shells of their eggs -**

- 1) CFC
- 2) PAN
- 3) DDT
- 4) PAC

ANS: 3

**Q. When trees are cut amount of oxygen ?**

- 1) decreases
- 2) increases
- 3) both and (A) and (B)
- 4) remains same

ANS: 1

**Q. Process through which plants reproduce -**

- 1) eating
- 2) evaporation
- 3) pollination
- 4) condensation

ANS: 3

**Q. The highest protein content is found in the grain of -**

- 1) black gram
- 2) pigeon pea
- 3) field pea
- 4) soya bean

ANS: 4

**Q. Ecology is the study of relationship between -**

- 1) organism and environment
- 2) man and forest
- 3) soil and water
- 4) husband and wife

ANS: 1

**Q. Which one of the following groups of compounds is called 'accessory dietary factor'?**

- 1) Fats
- 2) Hormones
- 3) Proteins
- 4) Vitamins

ANS: 4

**Q. An essential constituent of diet is -**

- 1) starch
- 2) glucose
- 3) carbohydrate



4) cellulose

ANS: 3

**Q. Which one of the following proteins is present in human hair and nails?**

- 1) Oxytocin
- 2) Keratin
- 3) Vasopressin
- 4) Trypsin

ANS: 2

**Q. Cow milk is yellowish white in colour due to the presence of -**

- 1) casein
- 2) lactose
- 3) carotene together with casein
- 4) butyric acid together with lactose

ANS: 3

**Q. Which of the following acids is present in Red Ants?**

- 1) Oxalic acid
- 2) Tannic acid
- 3) Malic acid
- 4) Formic acid

ANS: 4

**Q. Asexual reproduction differs from sexual reproduction in that in asexual reproduction, \_\_\_\_.**

- 1) the gametes are produced in reproduction
- 2) the offspring shows variations
- 3) the nuclei of gametes fuse
- 4) the new organisms are genetically identical to the parent

ANS: 4

**Q. Fill in the blank with the most appropriate option.**

**Plants that do not have a differentiated plant body belong to the group \_\_\_\_.**

- 1) Pteridophyta
- 2) Phanerogams
- 3) Bryophyta
- 4) Thallophyta

ANS: 4

**Q. Which of the following is essential for the synthesis of thyroxin?**

- 1) Potassium
- 2) Sodium

- 3) Calcium
- 4) Iodine

ANS: 4

**Q. The girth of the stem of root in plants increases due to :**

- 1) Lateral meristem
- 2) Intercalary meristem
- 3) Extra meristem
- 4) Apical meristem

ANS: 1

**Q. Which one of the following statements regarding insulin hormone is correct?**

- 1) Insulin is a protein hormone which is not produced in human body
- 2) Insulin is a steroid hormone which is produced in human body
- 3) Insulin is a cholesterol-driven hormone given to human
- 4) Insulin is a protein hormone which is produced in human body

ANS: 4

**Q. Which one of the following statements is correct?**

- 1) In photosynthesis by green plants, carbon dioxide is used for making carbohydrate
- 2) During photosynthesis, plants use oxygen for making carbohydrate
- 3) The carbohydrate generated by plants comes from soil
- 4) The carbohydrate generated by plants comes from urea

ANS: 1

**Q. Phytohormones are :**

- 1) regulators synthesised by plants influencing physiological processes
- 2) substances controlling diseases
- 3) substances used for photo-synthesis
- 4) chemicals used for peeling

ANS: 3

**Q. Consider the following statements :**

Assertion (A) : During sleep, bright light is undesirable.

Reason : In bright light, production of melatonin in the body is considerably increased.

Select your answer using the codes given below -

Codes:

- 1) Both (A) and (R) are correct, and (R) is the correct explanation of (A)
- 2) Both (A) and (R) are correct, but (R) is not the correct explanation of (A)
- 3) (A) is true, but (R) is false
- 4) (A) is false, but (R) is true

ANS: 1

**Q. Which of the following diseases cannot be cured by antibiotics?**

- 1) Tuberculosis
- 2) Tetanus
- 3) Measles
- 4) Cholera

ANS: 4

**Q. Which one of the following statements about proteins in mammalian cells is correct?**

- 1) Proteins in mammalian cells are synthesized in cell membrane
- 2) Proteins in mammalian cells are not synthesized in cell membrane but directly absorbed from food
- 3) Proteins in mammalian cells are synthesized in rough endoplasmic reticulum
- 4) Proteins in mammalian cells are synthesized in Golgi apparatus

ANS: 3

**Q. Which one of the following statements about transport mechanism in plants is correct?**

- 1) Diffusion of ions and small molecules across cell membrane requires energy.
- 2) Active transport of ions and small molecules across cell membrane against concentration gradient requires energy.
- 3) Cells conserve energy and no energy is required for transport of ions and small molecules against concentration gradient.
- 4) Cells do not transport ions across their membrane as these are charged molecules.

ANS: 2

**Q. Which one of the following statements about blood elements is correct?**

- 1) Red blood cells' number is same as that of white blood cells and platelets
- 2) The number of white blood cells is more than red blood cells
- 3) The number of red blood cells is the highest
- 4) The number of red blood cells is lower than platelets

ANS: 3

**Q. Which one of the following statements regarding digestion is correct?**

- 1) Fat present in the food is digested by trypsin and chymotrypsin
- 2) Starch of food is digested by lipases
- 3) Fat of food is digested by lipases
- 4) Nucleic acid is digested by amylases

ANS: 3

**Q. Which of the following is a Saprotroph?**

- 1) Man
- 2) Pigeon
- 3) Mushroom
- 4) Algae

ANS: 3

**Q. Nodes of Ranvier are microscopic gaps found within :**

- 1) myelinated axons
- 2) chondroblasts
- 3) osteoblasts
- 4) gland cells

ANS: 1

**Q. Which of the following is necessary to maintain the number of individuals of species and to prevent their extinction?**

- 1) Digestion
- 2) Circulation
- 3) Respiration
- 4) Reproduction

ANS: 4

**Q. Identify an example of a connective tissue in humans.**

- 1) Cell
- 2) Muscles
- 3) Bone
- 4) Fibres

ANS: 3

**Q. Based upon the type of excretory substance, the human species is -**

- 1) Uricotelic
- 2) Ureotelic
- 3) Ammonotelic
- 4) Ureotelic and Uricotelic, both

ANS: 2

**Q. DNA fragments separated on an Agarose gel can be visualised after staining with -**

- 1) Aniline blue
- 2) Ethidium Bromide
- 3) Acetocarmine
- 4) Bromophenol blue

ANS: 2

**Q. Which hormone is produced in insufficient amounts in Type-1 diabetes ?**

- 1) Glucan
- 2) Insulin
- 3) Somatostatin
- 4) Both (A) and (B)

ANS: 2

**Q. Which blood group is known as Universal Donor ?**

- 1) 'A'
- 2) 'B'
- 3) 'AB'
- 4) 'O'

ANS: 4

**Q. Which of the following serves as a nutritive tissue for the growing embryo?**

- 1) Ovary
- 2) Zygote
- 3) Ovule
- 4) Endosperm

ANS: 4

**Q. If ..... is involved, even greater diversity will be generated.**

- 1) asexual reproduction
- 2) vegetative propagation
- 3) binary fission
- 4) sexual reproduction

ANS: 4

**Q. The pH value of milk is :**

- 1) 2.4
- 2) 3.8
- 3) 6.6
- 4) 8.8

ANS: 3

**Q. Which of the following can produce a virtual image which is always smaller than the object ?**

- 1) a plane mirror
- 2) a convex lens
- 3) a concave lens
- 4) a concave mirror

ANS: 3

**Q. Which of the following is the largest part of human brain ?**

- 1) Cerebrum
- 2) Cerebellum
- 3) Brain stem
- 4) Corpus callosum

ANS: 1

**Q. Which of the following organs do not produce digestive juices ?**

- 1) Stomach
- 2) Liver
- 3) Pancreas
- 4) Urinary bladder

ANS: 4

**Q. At what time after child birth is the DPT vaccine administered to a newborn ?**

- 1) 6 weeks
- 2) 6 months
- 3) 6 days
- 4) 6 hrs.

ANS: 1

**Q. Which of the following diseases are caused by the consumption of water contaminated by mercury and nitrate ?**

- 1) Minamata disease and Osteoporosis
- 2) Osteoporosis and Blue Baby Syndrome
- 3) Minamata disease and Blue Baby Syndrome
- 4) Osteoporosis and Minamata disease

ANS: 3

**Q. What is the name of the hormone produced by thymus gland ?**

- 1) Thyroxine
- 2) Auxins
- 3) Cytokinis
- 4) Thymosin

ANS: 4

**Q. Photosynthesis takes place in the presence of chlorophyll and -**

- 1) water
- 2) nutrients
- 3) carbon-dioxide
- 4) sunlight

ANS: 4

**Q. Which blood group is universal acceptor ?**

- 1) O+
- 2) O-
- 3) AB-
- 4) AB+

ANS: 4

**Q. The ecological niche of an organism relates to -**

- 1) specific habitat of the organism
- 2) symbiotic relationship with other organisms
- 3) diverse occurrence of a species under different conditions
- 4) its interaction with all other organisms

ANS: 1

**Q. Free swimming macroscopic animals in an aquatic environment are referred to as -**

- 1) Plankton
- 2) Periphyton
- 3) Benthos
- 4) Nekton

ANS: 4

**Q. Which one of the following artificial sweeteners is modified sugar ?**

- 1) Aspartame
- 2) Saccharin
- 3) Sucralose
- 4) Alitame

ANS: 3

**Q. Which one of the following polymers is made of protein ?**

- 1) Rubber
- 2) Cotton
- 3) Wool
- 4) Jute

ANS: 3

**Q. Which instrument is used to measure humidity ?**

- 1) Hydrometer
- 2) Hygrometer
- 3) Pyrometer
- 4) Lactometer

ANS: 2

**Q. AIDS is caused by -**

- 1) water
- 2) bacteria

- 3) virus
- 4) fungus

ANS: 3

**Q. The powerhouse of cell is -**

- 1) cell wall
- 2) mitochondrion
- 3) ribosome
- 4) nucleus

ANS: 2

**Q. Human body contains -**

- 1) about 70% water
- 2) 20%-30% water
- 3) 10%-20% water
- 4) 30%-40% water

ANS: 1

**Q. Body temperature is regulated by -**

- 1) thalamus
- 2) hypothalamus
- 3) cerebellum
- 4) medulla

ANS: 2

**Q. Electroencephalogram (EEG) is used in monitoring -**

- 1) heart
- 2) liver
- 3) pancreas
- 4) brain

ANS: 4

**Q. How is the National Green Tribunal (NGT) different from the Central Pollution Control Board (CPCB) ?**

1. The NGT has been established by an Act whereas the CPCB has been created by an executive order of the Government.
2. The NGT provides environmental justice and helps reduce the burden of litigation in the higher courts whereas the CPCB promotes cleanliness of streams and wells, and aims to improve the quality of air in the country.

Which of the statements given above is/ are correct ?

- 1) 1 only
- 2) 2 only
- 3) Both 1 and 2
- 4) Neither 1 nor 3



ANS: 2

**Q. Which of the following medicines can possibly be used as analgesic without causing addiction and mood modification ?**

- 1) Diazepam
- 2) Morphine
- 3) Paracetamol
- 4) Tetrahydrocannabinol

ANS: 3

**Q. Which of the following can be used as artificial sweetner(s) ?**

- I. Aspartame II. Alitame  
III. Sucralose IV. Saccharin

Correct code is -

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

ANS: 4

**Q. Which of the following statements is correct about Nipah Virus ?**

- I. It is a rare, brain-damaging virus.  
II. The deadly virus is contagious and currently has no vaccine for humans or animals.  
III. The natural host of the virus is a fruit bat of the Ptero-podidae family.  
IV. It claimed more than 10 lives in May 2018 in Kozhikode and Malappuram districts in North Kerala.

Correct code is -

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

ANS: 4

**Q. Prolonged reuse of cooking oil for preparing food, particularly in deep frying is a potential health hazard. It can lead to many diseases like -**

- I. Increases the level of cholesterol II. Cancer  
III. Creates peroxides acids. IV. Parkinson's disease

Correct code is -

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

ANS: 4

**Q. Which country has decided in May 2018 the culling of 1,26,000 cows in the largest mass animal slaughter in its history to try to eradicate the Mycoplasma bovis disease ?**

- 1) Denmark
- 2) Australia
- 3) New Zealand

4) Brazil

ANS: 3

**Q. Complete vaccination is covered against ..... Vaccine preventable diseases under intensified mission Indradhanush.**

I. Tuberculosis, Diphtheria, Pertussis, Tetanus

II. Polio, Hepatitis B, Pneumonia and Meningitis due to Haemophilus Influenzae type b (Hib)

III. Measles, Rubella, Japanese Encephalitis (JE) and Rotavirus

Correct code is -

1) Only I

2) Only II

3) Only I and II

4) I, II, III and IV

ANS: 4

**Q. Which of the following diseases is caused by a bacteria ?**

1) Influenza

2) Japanese Encephalitis

3) Tuberculosis

4) Swine Flue

ANS: 3

**Q. Rinderpest is a disease of -**

1) Humans

2) Birds

3) Ruminant animals

4) Carnivores

ANS: 3

**Q. World Environment Day was organized on June 5, 2018 The theme for the World Environment Day 2018 was -**

1) Beat Plastic Pollution

2) Plastic is Eating the environment: Save it

3) Clean Environment: Healthy Life

4) Organic Food; Better Health

ANS: 1

**Q. Which part of the body is affected in meningitis ?**

1) Lungs

2) Brain

3) Heart

4) Kidney

ANS: 2

**Q. HbA1c blood test is done to measure -**

- 1) Average blood sugar levels over a period of months
- 2) Average hemoglobin level over a period of weeks
- 3) Average intake of oxygen
- 4) Average white blood cells per ml of blood

ANS: 1

**Q. Which of the following is not a water borne disease ?**

- 1) Cholera
- 2) Gastroenteritis
- 3) Tuberculosis
- 4) Typhoid

ANS: 3

**Q. Which of the following is/ are used to disinfect and treat the water for human use ?**

- I. Potassium Permanganate
- II. Bleaching powder
- III. Chlorine

Correct code is -

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

ANS: 4

**Q. Which one of the following compounds is not a vitamin ?**

- 1) Niacin
- 2) Thyroxine
- 3) Riboflavin
- 4) Pyridoxine

ANS: 2

**Q. Which one of the following units is used for measurement of noise pollution ?**

- 1) Nanometer
- 2) Decibel
- 3) Hertz
- 4) None of the above

ANS: 2

**Q. The (Green) Grass appears green to us because -**

- 1) It reflects green colour light to our eyes
- 2) It absorbs green colour light
- 3) It reflects all other colour lights except that of green colour
- 4) None of the above

ANS: 1

**Q. The stones present in the human gall bladder primarily affect the digestion of -**

- 1) Fats
- 2) Proteins
- 3) Carbohydrates
- 4) Nucleic acids

ANS: 1

**Q. Consider the statements -**

Assertion (A) Vitamin B12 remains stored in liver for about 3-5 years.

Reason (R) : Vitamin B12 is water-soluble.

Select the correct answer using the codes given below -

Codes:

- 1) Both (A) and (R) are true and (R) is the correct explanation of (A)
- 2) Both (A) and (R) are true but (R) is not the correct explanation of (A)
- 3) (A) is true but (R) is false
- 4) (A) is false but (R) is true

ANS: 2

**Q. Which part of human eye is affected by cataract ?**

- 1) Iris
- 2) Retina
- 3) Cornea
- 4) None of the above

ANS: 4

**Q. A hot body cools from 90°C to 75°C in 25 seconds. The same body in further cooling from 75°C to 60°C will take how much time ?**

- 1) 25 seconds
- 2) Less than 25 seconds
- 3) More than 25 seconds
- 4) Nothing can be said

ANS: 3

**Q. The basis of DNA finger printing is -**

- 1) DNA replication
- 2) The double helix
- 3) DNA Polymorphism
- 4) Errors in base sequence

ANS: 3

**Q. Which of the following is not an example of in-situ conservation strategy ?**

- 1) Biosphere reserve

- 2) Botanical garden
- 3) National Park
- 4) Sacred groves

ANS: 2

**Q. Double-helical structure of DNA was given by whom ?**

- 1) Jacob and Monod
- 2) Watson and Crick
- 3) H.G. Khorana
- 4) None of the above

ANS: 2

**Q. Which one of the following frequency ranges is sensitive to human ears ?**

- 1) 0 - 200 Hz
- 2) 20 - 20,000 Hz
- 3) 200 - 20,000 Hz only
- 4) 2,000 - 20,000 Hz only

ANS: 2

**Q. Which of the following statements about specific heat of a body is/ are correct ?**

1. It depends upon mass and shape of the body.
2. It is independent of mass and shape of the body.
3. It depends only upon the temperature of the body

Select the correct answer using the code given below :

- 1) 1 only
- 2) 2 and 3
- 3) 1 and 3
- 4) 2 only

ANS: 4

**Q. Which one of the following is an example of the force of gravity of the earth acting on a vibrating pendulum bob ?**

- 1) Applied force
- 2) Frictional force
- 3) Restoring force
- 4) Virtual force

ANS: 3

**Q. Which one of the following statements about the refractive index of a material medium with respect to air is correct ?**

- 1) It can be either positive or negative
- 2) It can have zero value
- 3) It is unity for all materials
- 4) It is always greater than one

ANS: 4

**Q. Which one of the following is the correct sequence of levels of hierarchy of classification of organisms from higher to lower ?**

- 1) Phylum - Class - Order - Family - Genus
- 2) Phylum - Class - Family - Order - Genus
- 3) Family - Order - Class - Species - Genus
- 4) Class - Family - Order - Species - Genus

ANS: 1

**Q. Which one of the following statements about meristematic tissue in plants is correct ?**

- 1) These are dead tissues and form wood
- 2) They provide flexibility to plant due to their thickened walls
- 3) These are present in the bark of a tree only
- 4) Growth occurs in plants due to division of cells of these tissues

ANS: 4

**Q. Which one of the following statements about the mass of a body is correct ?**

- 1) It changes from one place to another
- 2) It is same everywhere
- 3) It depends on its shape
- 4) It does not depend on its temperature

ANS: 2

**Q. Which one of the following elements is needed in the human body to transfer electrical signals by nerve cells ?**

- 1) Lithium
- 2) Sodium
- 3) Rubidium
- 4) Caesium

ANS: 2

**Q. Which one of the following group of organisms forms a food chain ?**

- 1) Grass, human and fish
- 2) Grass, goat and human
- 3) Tree, tree cutter and tiger
- 4) Goat, cow and human

ANS: 2

**Q. Which one of the following types of tissues will have contractile proteins ?**

- 1) Nervous tissue
- 2) Muscle tissue
- 3) Bone tissue
- 4) Blood tissue

ANS: 2