

Biology Quiz and GK
By – QuizKaSamna.com
Part – 4

Q. Which of the following diseases is caused by the deficiency of vitamin A?

- 1) Rickets
- 2) Scurvy
- 3) Night blindness
- 4) Pellagra

ANS: 3

Note: 'Night blindness' disease in human is caused due to the deficiency of Vitamin 'A' by which less appear at night. The main sources of Vitamin 'A' are carrot, milk, egg., cream/ butter etc. products.

Q. Which microorganism is Penicillin obtained from?

- 1) Amoeba
- 2) Virus
- 3) Protozoa
- 4) Fungi

ANS: 4

Q. Dietary intake of is essential for the normal functioning of thyroid gland.

- 1) sodium
- 2) calcium
- 3) iodine
- 4) potassium

ANS: 3

Q. Which organ in the human body helps to maintain balance?

- 1) Heart
- 2) Liver
- 3) Ear
- 4) Brain

ANS: 3

Q. Which disease is prevented with the help of Salk's vaccine?

- 1) Measles
- 2) Polio
- 3) Chicken pox
- 4) Small pox

ANS: 2

Q. Which organ in the human body regulates the sugar content in the blood?

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

ANS: 1

Q. What is the shape of the Cocci bacteria?

- 1) Spherical
- 2) Rod shaped
- 3) Comma-shaped
- 4) Spiral

ANS: 1

Q. Which of the following diseases is a disease of the lung?

- 1) Tuberculosis
- 2) Cancer
- 3) Tetanus
- 4) Allergy

ANS: 1

Q. Which of the following is a good source of vitamin A?

- 1) Fish oil
- 2) Sugar
- 3) Banana
- 4) Coconut oil

ANS: 1

Note: Fish oil is a good source of Vitamin 'A' (Retinol) as well as milk, butter, egg, carrot etc. but due to its (Vitamin 'A') deficiency, night-blindness is occurred. In fact, Vitamin 'A' is a cancer controller.

Q. Deficiency of which mineral causes anaemia?

- 1) Magnesium
- 2) Iron
- 3) Zinc
- 4) Lead

ANS: 2

Note: 'Anaemia' disease in human being is caused due to the deficiency of Iron mineral, resulting reduction in blood of RBC and Haemoglobin.

Q. Who is the author of Silent Spring -

- 1) Huntington
- 2) Amitav Ghosh

- 3) Friedrich Ratzel
- 4) Rachel Carson

ANS: 4

Q. In which population interactions both the species benefit?

- 1) Commensalism
- 2) Amensalism
- 3) Mutualism
- 4) Competition

ANS: 3

Q. Rajat has hypermetropia. What type of lens will the ophthalmologist recommend to correct his vision?

- 1) Bifocal
- 2) Concave
- 3) Progressive
- 4) Convex

ANS: 4

Q. What is the distinctive characteristic of 'marsupials'?

- 1) They lay eggs
- 2) They hibernate in winter
- 3) They carry young ones in pouches
- 4) They migrate from one place to another

ANS: 3

Q. Name the tissues that transports food to various parts of a plant.

- 1) Parenchyma
- 2) Xylem
- 3) Phloem
- 4) Sclerenchyma

ANS: 3

Q. Chlorophyll in photosynthetic prokaryotic bacteria is associated with -

- 1) plastids
- 2) membranous vesicles
- 3) nucleoids
- 4) chromosomes

ANS: 2

Q. Which one of the following is active transport?

- 1) It is the movement of a substance against a diffusion gradient with the use of energy from respiration

- 2) It is the movement of a substance against a diffusion gradient without the use of energy
- 3) It is the movement of a substance against a diffusion gradient with the use of energy from photosynthesis
- 4) It is the movement of a substance along a diffusion gradient with the use of energy from respiration

ANS: 3

Q. Food chain is -

- 1) relationship between auto-trophic
- 2) exchange of genetic material between two organisms
- 3) passage of food (and thus energy) from one organism to another
- 4) modern entrepreneur establishment providing food outlets

ANS: 3

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. Hidden Hunger means -

- 1) No official data of people suffering from hunger
- 2) Deficiency of micronutrients in diet
- 3) Under consumption of food by a group of people
- 4) Undeclared deaths due to inadequate quantity of food

ANS: 2

Q. Which pollutant is the major source of marine pollution?

- 1) Agricultural run-off?
- 2) Oil spill
- 3) Industrial waste water
- 4) Sewage

ANS: 4

Q. Pigment containing and light reflecting cells are -

- 1) Leucoplasts
- 2) Chloroplasts
- 3) Chromatophore
- 4) Chromatoplasts

ANS: 3

Q. The biologist who discovered the scientific function of cells in 1665 was -

- 1) Robert Hooke
- 2) Andreas Vesalius
- 3) William Harvey
- 4) John Hunter

ANS: 1

Q. Which of the following is not true for nano-materials?

- 1) Nano-carbon is stronger than steel
- 2) Nano-fibre cloths do not get dirty
- 3) Nano-medicines will be more effective
- 4) Homeopathy uses nano-materials

ANS: 4

Q. The largest organ of human body is -

- 1) Liver
- 2) Intestine
- 3) Urinary bladder
- 4) Skin

ANS: 4

Q. Which of the following is not caused by bacteria?

- 1) Malaria
- 2) Typhoid
- 3) Diptheria
- 4) Tetanus

ANS: 1

Q. Athlete's foot is a disease caused by -

- 1) Bacteria
- 2) Fungi
- 3) Protozoa
- 4) Nematode

ANS: 2

Q. The Percentage of Nitrogen gase in the atmosphere is -

- 1) 78.084
- 2) 20.947
- 3) 87.84
- 4) 4.934

ANS: 1

Q. What is the source of energy in Ecosystem?

- 1) Solar radiation
- 2) Cosmic radiation
- 3) Geothermal energy
- 4) All of these

ANS: 4

Q. Which one of the following is a large blood vessel that carries blood away from the heart to the lungs?

- 1) Vein
- 2) Artery
- 3) Capillary
- 4) Nerve

ANS: 2

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

ANS: 4

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

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

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. Which one of the following is estimated by the radio carbon dating?

- 1) Age of the human being
- 2) Age of the fossils
- 3) Disease of the human body
- 4) Purity of the metals

ANS: 2

Q. Which one of the following cell organelles does not possess nucleic acid?

- 1) Nucleolus
- 2) Chloroplast
- 3) Ribosome
- 4) Plasma Membrane

ANS: 4

Q. Which one of the following cell organelles does not possess its own genetic material encoding proteins?

- 1) Ribosome
- 2) Nucleus
- 3) Mitochondria
- 4) Chloroplast

ANS: 1

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

- 1) Electrocardiogram is graphical representation of electrical activity of cornea
- 2) Electrocardiogram is graphical representation of activity of kidney
- 3) Electrocardiogram is graphical representation of activity of brain
- 4) Electrocardiogram is graphical representation of electrical activity of heart

ANS: 4

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

- 1) Penicillin resistant bacteria can store this antibiotic in vacuole
- 2) Penicillin resistant bacteria can degrade this antibiotic by an enzyme called B-lactamase
- 3) Penicillin resistant bacteria can degrade this antibiotic by an enzyme called lactic acid dehydrogenase
- 4) Penicillin is not absorbed by bacteria; so most bacteria are resistant

ANS: 2

Q. Which one of the following organelles of mammalian cell is rich in hydrolytic enzymes?

- 1) Mitochondria
- 2) Ribosomes
- 3) Lysosomes
- 4) Nucleus

ANS: 3

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

- 1) Cholera is a disease that causes loss of memory
- 2) Cholera is a disease of muscles due to consumption of alcohol
- 3) Cholera is a disease due to consumption of contaminated food or water
- 4) Cholera is a genetic disease

ANS: 3

Q. Which of the following accounts for red colour tomato?

- 1) Capsaicin
- 2) Carotene
- 3) Anthocyanin
- 4) Lycopene

ANS: 4

Q. Insulin hormone is secreted by which of the following organ?

- 1) Kidney
- 2) Heart
- 3) Liver
- 4) Pancreas

ANS: 4

Q. Plants that grow in saline water are called -

- 1) Hydrophytes
- 2) Mesophytes
- 3) Halophytes
- 4) Thalophytes

ANS: 3

Q. The HIV virus weakens the immunity of a person because it destroys -

- 1) Mast cells
- 2) Platelets
- 3) Erythrocytes
- 4) Lymphocytes

ANS: 4

Q. Which one of the following is not a component of conducting tissue in plants?

- 1) Fibres
- 2) Tracheids
- 3) Pericycle
- 4) Sieve tubes

ANS: 3

Q. Which one of the following organisms represents the primary consumer category in an ecosystem?

- 1) Caterpillar
- 2) Crabapple tree
- 3) Frog
- 4) Sparrowhawk

ANS: 1

Q. Which one of the following organisms has vascular tissues?

- 1) Cladophora
- 2) Penicillium
- 3) Marsilea
- 4) Anabaena

ANS: 3

Q. Tooth enamel is made up of which one of the following calcium compounds?

- 1) Calcium carbonate
- 2) Calcium sulphate
- 3) Calcium hydroxide
- 4) Calcium phosphate

ANS: 4

Q. As per the code of the nomenclature, which one of the following is the correct way of writing a biological name?

- 1) Amoeba Proteus
- 2) Amoeba proteus
- 3) amoeba proteus
- 4) Amoeba Proteus

ANS: 2

Q. Which of the following is dubbed as a living fossil?

- 1) Sphenodon
- 2) Toad
- 3) Echidna

4) Crocodile

ANS: 4

Q. The metal present in Vitamin B12 is -

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

ANS: 1

Q. The branch of biology which deals with extinct organisms is called -

- 1) Palynology
- 2) Phylogeny
- 3) Palaeobotany
- 4) Palaeontology

ANS: 2

Q. What is Kessler Syndrome?

- 1) A disease where humans talk while sleeping
- 2) A rare viral disease causing respiratory problems.
- 3) A problem found in space launch vehicles
- 4) Proliferation of space debris in low earth orbit

ANS: 4

Q. In human eyes, the image of an object is formed on -

- 1) cornea
- 2) iris
- 3) pupil
- 4) retina

ANS: 4

Q. The kidneys in human beings are a part of system for -

- 1) nutrition
- 2) transportation
- 3) excretion
- 4) respiration

ANS: 3

Q. Which of the following diseases is caused by protozoa?

- 1) Cholera
- 2) Diphtheria
- 3) pneumonia

4) Malaria

ANS: 4

Q. What is the botanical name of opium?

- 1) Emblica officinalis
- 2) Papaver somniferum
- 3) Rauwolfia serpentina
- 4) Cinchona sp.

ANS: 2

Q. Absorption of water in the human body can be found in -

1. renal tubule in kidney
2. hepatic cells in liver
3. large intestine
4. pancreatic duct

Select the correct answer using the code given below :

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

ANS: 2

Q. Measles is disease caused by -

- 1) bacteria
- 2) virus
- 3) protozoa
- 4) worm

ANS: 2

Q. Neutrophils and Lymphocytes originate from -

- 1) kidney tubule
- 2) spleen
- 3) bone marrow
- 4) lymph node

ANS: 3

Q. Smallpox was declared eradicated from the world in -

- 1) 1975
- 2) 1980
- 3) 1996
- 4) 2008

ANS: 2

Q. A bacteriophage is a -

- 1) bacterium with a tail
- 2) newly formed bacterium
- 3) bacterium infecting virus
- 4) virus infecting bacterium

ANS: 4

Q. To study meiosis in plants, the best part would be -

- 1) shoot apex
- 2) root apex
- 3) anthers
- 4) leaf cells

ANS: 3

Q. Penicillin inhibits synthesis of bacterial -

- 1) Cell wall
- 2) Protein
- 3) RNA
- 4) DNA

ANS: 1

Q. Most antibiotics target bacterial parasites interfering with various factors of growth or metabolism such as:

1. synthesis of cell wall
2. bacterial protein synthesis
3. synthesis of nuclear membrane
4. mitochondrial function.

Select the correct answer using the code given below -

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

ANS: 4

Q. The focal length of the lens of a normal human eye is about -

- 1) 25 cm
- 2) 1 m
- 3) 2.5 mm
- 4) 2.5 cm

ANS: 1

Q. Genetic screening as -

- 1) analysis of DNA to check the presence of a particular gene in a person
- 2) analysis of gene in population
- 3) pedigree analysis
- 4) screening of infertility in parents

ANS: 1

Q. Who among the following is considered as the father of genetic engineering?

- 1) Philip Drinker
- 2) Paul Berg
- 3) Thomas Addison
- 4) Alpheus S. Packard Jr.

ANS: 2

Q. Which of the following cause(s) variation in the genetic material of progeny ?

1. Sexual reproduction
2. Asexual reproduction
3. Mutations
4. Epigenetic changes

Select the correct answer using the code given below-

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

ANS: 3

Q. Cobalt is associated with -

- 1) growth hormone
- 2) vitamin B12
- 3) haemoglobin
- 4) intestinal enzymes

ANS: 2

Q. In the context of alternative source of energy, ethanol as a viable bio-fuel can be obtained from -

- 1) Potato
- 2) Rice
- 3) Sugarcane
- 4) Wheat

ANS: 3

Q. The growth of bacteria is measured by -

- 1) hemacytometer
- 2) spectrophotometer

- 3) calorimeter
- 4) auxanometer

ANS: 2

Q. Smooth muscles are likely to be found in -

- 1) muscles of legs
- 2) muscles of arms
- 3) stomach
- 4) heart

ANS: 4

Q. Which bacterial strain developed from natural isolates by genetic manipulations, can be used for treating oil spills?

- 1) Agrobacterium
- 2) Clostridium
- 3) Nitosomonos
- 4) Pseudomonas

ANS: 3

Q. Ddrops is a disease caused due to adulteration in -

- 1) Ghee
- 2) Arhar Dal
- 3) Mustard Oil
- 4) Turmeric Powder

ANS: 3

Q. What is breakbone fever most commonly known as -

- 1) Typhoid
- 2) Rhinitis
- 3) Yellow fever
- 4) Dengue

ANS: 3

Q. The sex of a newborn baby is determined by the chromosome inherited from -

- 1) The mother
- 2) The father
- 3) Mother's mother
- 4) Father's father

ANS: 2

Q. Which of the following is not a micro nutrient for a planet?

- 1) Iron
- 2) Magnesium
- 3) Molybdenum
- 4) Manganese

ANS: 2

Q. AIDS is caused by Human Immuno-Deficiency Virus (HIV) which is -

- 1) Retro virus
- 2) Lente virus
- 3) Arbo Virus
- 4) Immune virus

ANS: 1

Q. Poisonous fangs of a snake are modified form of -

- 1) Mandibular teeth
- 2) Palatine teeth
- 3) Canine teeth
- 4) Maxillary teeth

ANS: 4

Q. Silk worms feed on -

- 1) Basil leaves
- 2) Curry leaves
- 3) Rose leaves
- 4) Mulberry leaves

ANS: 4

Q. The sexual reproductive organs of aspergillus are -

- 1) Spermatium and Oogonium
- 2) Antheridium and Oogonium
- 3) Spermatium and Ascogonium
- 4) Antheridium and Ascogonium

ANS: 4

Q. The colourful part of the sunflower or Marigold plant is -

- 1) Flower
- 2) Inflorescence
- 3) Fruit
- 4) Seed

ANS: 1

Q. Red blood cells (RBCs) have -

- 1) no nucleus, no mitochondria and no endoplasmic reticulum
- 2) nucleus, mitochondria and endoplasmic reticulum
- 3) nucleus, mitochondria but no endoplasmic reticulum
- 4) no mitochondria but endoplasmic reticulum is present

ANS: 1

Q. Colour vision in human eyes is the function of photoreceptor cells named -

- 1) Rods
- 2) Cones
- 3) Blind spot
- 4) Fovea

ANS: 2

Q. Kidney secretes an enzyme, which changes plasma protein angiotensinogen into angiotensin. The enzyme is -

- 1) Renin
- 2) Nitrogenase
- 3) Hydrolase
- 4) Mono-oxygenase

ANS: 1

Q. Stung by hairs of nettle leaves causes burning pain. This is due to the injection of -

- 1) Acetic acid
- 2) Methanoic acid
- 3) Sulphuric acid
- 4) Hydrochloric acid

ANS: 2

Q. Cell wall of any fungus is different from plants in having -

- 1) cellulose
- 2) chitin
- 3) cholesterol
- 4) glycogen

ANS: 2

Q. Sleeping sickness is a parasitic disease of humans and other animals. It is caused by -

- 1) Histomonas
- 2) Trypanosoma
- 3) Angomonae
- 4) Naegleria

ANS: 2

Q. Which of the following are the major coral reef areas of India?

1. Gulf of Kachchh
2. Gulf of Mannar
3. Lakshadweep
4. Andaman and Nicobar Islands

Select the correct answer using the code given below -

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

ANS: 4

Q. Dengue virus causes high fever, rashes and reduces the number of a particular type of blood cells.

Those blood cells are -

- 1) Monocytes
- 2) Platelets
- 3) Eosinophils
- 4) Neutrophils

ANS: 2

Q. Bats detect obstacles in their path by receiving the reflected -

- 1) Infrasonic waves
- 2) Ultrasonic waves
- 3) Radio waves
- 4) Microwaves

ANS: 2

Q. Which one of the following statements is not correct?

- 1) Human eye is a refracting system containing a diverging lens
- 2) The retina of the human eye contains millions of light sensitive cells, called rods and cones, which convert the light into electrical messages
- 3) Every image that is focused on the retina is upside down
- 4) We need both eyes to judge the relative positions of objects accurately

ANS: 1

Q. Tendons through which muscles are connected to bones are tightly compacted bundles of which one of the following long fibrous protein?

- 1) Fibrin
- 2) Collagen
- 3) Elastin
- 4) Cellulose

ANS: 2

Q. Which one of the following is the scientific name of the causal organism of elephantiasis ?

- 1) Ascaris lumbricoides
- 2) Culex pipiens
- 3) Wuchereria bancrofti
- 4) Fasciola hepatica

ANS: 3

Q. Melanin is the natural pigment that gives colour to human skin, hair and the iris. It provides protection against

- 1) Ultraviolet radiation
- 2) Infrared radiation
- 3) X-ray radiation
- 4) Short wave radio radiation

ANS: 1

Q. Which one of the following vitamins has a role in blood clotting ?

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

ANS: 4

Q. Deficiency of iodine causes -

- 1) Night Blindness
- 2) Cancer
- 3) Goitre
- 4) Osteoporosis

ANS: 3

Q. Which one of the following organic acids is abundant in grapes, tamarind and banana?

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

ANS: 4

Q. The term Probiotic is applied to -

- 1) Organic food
- 2) Antacid
- 3) Antibiotic
- 4) Live microbial food/ feed supplement

ANS: 4

Q. Which one of the following microbes causes acidification and curdling of milk?

- 1) Lactic Acid Bacillus
- 2) Clostridium botulinum
- 3) Vibrio cholerae
- 4) Saccharomyces cerevisiae

ANS: 1

Q. Golden rice is a genetically modified crop plant where the incorporated gene is meant for biosynthesis of -

- 1) Omega-3 fatty acids
- 2) Vitamin A
- 3) Vitamin B
- 4) Vitamin C

ANS: 2

Q. In the lake ecology, nutrient enrichment process is termed as -

- 1) Biological Oxygen Demand (BOD)
- 2) Allelopathy
- 3) Bio-magnification
- 4) Eutrophication

ANS: 4

Q. Which one of the following is man modified ecology?

- 1) Forest
- 2) Desert
- 3) Agricultural land
- 4) Grassland

ANS: 3

Q. Which one of the following pairs of vitamins act as antioxidants?

- 1) Vitamin A and Vitamin C
- 2) Vitamin C and Vitamin E
- 3) Vitamin B2 and Vitamin D
- 4) Vitamin E and Vitamin K

ANS: 2

Q. Arrange the following species in chronological order of their evolution -

1. Amphibia
2. Fishes
3. Reptiles
4. Birds

Select the correct answer from the code given below -

- 1) 1, 2, 4, 3
- 2) 2, 1, 4, 3
- 3) 2, 1, 3, 4
- 4) 4, 1, 3, 2

ANS: 3

Q. Formation of RNA from DNA is called -

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

ANS: 4

Q. With reference to haemoglobin, which of the following statements are correct?

1. It carries oxygen in the blood.
2. It is an iron containing compound.
3. It provides immunity against certain diseases.
4. It imparts red colour to the blood.

Select the correct answer from the code given below -

- 1) 1, 2 and 3
- 2) 1, 2 and 4
- 3) 1, 3 and 4
- 4) 2, 3 and 4

ANS: 2

Q. The pigment that protects plants from damage by UV radiation is -

- 1) Xanthophyll
- 2) Chlorophyll
- 3) Carotenoid
- 4) Phycocyan

ANS: 3

Q. Which one of the following parts of human brain plays a role in the regulation of body temperature?

- 1) Cerebellum
- 2) Hippocampus
- 3) Hypothalamus
- 4) Medulla Oblongata

ANS: 3

Q. Work as intermediaries between biotic and abiotic components -

- 1) Parasite

- 2) Decomposers
- 3) Producers
- 4) Consumers

ANS: 2

Q. In long-sightedness, images are formed at following -

- 1) On Retina
- 2) Infront of Retina
- 3) Behind Retina
- 4) On blind Spot

ANS: 3

Q. Ozone layer of upper atmosphere is being destroyed by which of the following?

- 1) Sulphur dioxide
- 2) Photo - chemical oxidants
- 3) Chlorofluorocarbons
- 4) Smog

ANS: 3

Q. Which one of the following vitamins is formed in skin in the presence of sunlight?

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

ANS: 2

Q. Which of these is not a viral disease?

- 1) Measles
- 2) Rabies
- 3) Polio
- 4) Tuberculosis

ANS: 4

Q. Severe Combined Immunodeficiency Syndrome (SCID), caused by a genetic flaw, is known by a nickname -

- 1) Bubble Boy disease
- 2) Bubble Girl disease
- 3) Bubble Baby disease
- 4) Bubble calf disease

ANS: 1

Q. Which one of the following is a microbial insecticide?

- 1) Bacillus thuringiensis
- 2) Bacillus subtilis
- 3) Bacillus polymyxa
- 4) Bacillus brevis

ANS: 1

Q. Which of the following statements about radioactive pollution are correct?

1. It causes genetic changes in animals.
2. It causes imbalance among different minerals in soil.
3. It hinders blood circulation.
4. It causes cancer

Choose the correct code -

- 1) 1 and 2
- 2) 1 and 4
- 3) 1, 3 and 4
- 4) 2, 3 and 4

ANS: 2

Q. The cause of sweet taste in fruits is-

- 1) Maltose
- 2) Ribose
- 3) Lactose
- 4) Fructose

ANS: 4

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

- 1) Protein
- 2) Fat
- 3) Carbohydrate
- 4) Nucleic acid

ANS: 2

Q. Biodiversity is described as -

- 1) the way species differ from one another
- 2) the seasonal and daily changes in the environment
- 3) the influence of physical factors on an environment
- 4) the range of different species in an environment

ANS: 4

Q. An area for a National Park, Sanctuary or Biosphere reserve is decided on the basis of -

- 1) forest area and fresh water resources
- 2) ecosystem management perspective
- 3) germplasm bank and zoological significance
- 4) species richness, diversity and species-area relationship

ANS: 4

Q. Which of the following components of ecosystem acts as intermediary between biotic and abiotic kingdoms?

- 1) Producer
- 2) Consumer
- 3) Decomposer
- 4) The habitat

ANS: 3

Q. Which of the following are the reasons for the occurrence of multi-drug resistance in microbial pathogens in India?

1. Genetic predisposition of some people.
2. Taking incorrect doses of antibiotics to cure diseases
3. Using antibiotics in livestock farming.
4. Multiple chronic diseases in some people.

Select the correct answer using the code given below.

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

ANS: 1

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

- 1) Haemoglobin present in RBC can carry only oxygen but not carbon dioxide
- 2) Haemoglobin of RBC can carry both oxygen and carbon dioxide
- 3) Haemoglobin of RBC can carry only carbon dioxide
- 4) Haemoglobin is only used for blood clotting and not for carrying gases

ANS: 2

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Q. Which one of the following statements is correct?

- 1) Urea is produced in liver
- 2) Urea is produced in blood
- 3) Urea is produced from digestion of starch
- 4) Urea is produced in lung and kidney

ANS: 1

Q. Which one of the following functions is not carried out by smooth endoplasmic reticulum?

- 1) Transport of materials
- 2) Synthesis of lipid
- 3) Synthesis of protein
- 4) Synthesis of steroid hormone

ANS: 3

Q. Which one of the following cell organelles mainly functions as storehouse of digestive enzymes?

- 1) Desmosome
- 2) Ribosome
- 3) Lysosome
- 4) Vacuoles

ANS: 3

Q. Which one of the following tissues is responsible for increase of girth in the stem of a plant?

- 1) Tracheid
- 2) Pericycle
- 3) Intercalary meristem
- 4) Lateral meristem

ANS: 4

Q. Which one of the following organisms is dependent on saprophytic mode of nutrition?

- 1) Agaricus
- 2) Ulothrix
- 3) Riccia
- 4) Cladophora

ANS: 1

Q. Which one of the following has a bilateral symmetry in its body organization?

- 1) Asterias
- 2) Sea anemone
- 3) Nereis
- 4) Echinus

ANS: 3

Q. Which one of the following pairs of animals of warm-blooded?

- 1) Crocodile and Ostrich
- 2) Hagfish and Dogfish
- 3) Tortoise and Ostrich
- 4) Peacock and Camel

ANS: 4

Q. Following is not a part of human sperm -

- 1) Acrosome
- 2) Mitochondria
- 3) Axial filament
- 4) Antrum

ANS: 4

Q. Which of the following blood-group is called the Universal Donor?

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

ANS: 4

Q. Which of the following medicinal herbs are available in Madhya Pradesh?

- 1) Gwarpatha
- 2) Nagarmotha
- 3) Both of these
- 4) None of these

ANS: 3

Q. Which one of the following proteins gives lustrous shiny appearance to silk fiber?

- 1) Fibrin
- 2) Sericin
- 3) Collagen
- 4) Nectin

ANS: 1

Q. Human insulin molecule is composed of one a-chain having 21 amino acids and one B-chain having 30 amino acids. How many functional insulin genes occur in adult humans ?

- 1) One
- 2) Two
- 3) Three
- 4) Four

ANS: 2

Q. Pearl is a hard object produced within the soft tissues of a mollusk. Which one of the following is the main constituent of pearl?

- 1) Calcium Carbonate
- 2) Calcium Oxide

- 3) Calcium Nitrate
- 4) Calcium Sulphate

ANS: 1

Q. A biological community in its environment such as a pond, an ocean, a forest, even an aquarium is known as -

- 1) biome
- 2) community
- 3) abiotic environment
- 4) ecosystem

ANS: 4

Q. Which one of the following elements is involved in the control of water content of the blood ?

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

ANS: 1

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