

Biology Quiz and GK
By – QuizKaSamna.com
Part - 3

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) Diphtheria
- 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 gas 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) Thallophytes

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) *Embllica 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. Dropy 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

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