



# BIOLOGY

## **PREVIOUS YEAR QUESTIONS**

- Q1.**  
Penicillin is extracted from  
(a) yeast  
(b) algae  
(c) fungus  
(d) lichen
- Q2.**  
Which is the effect of antigen in an ill person ?  
(a) It increases the production of W.B.C.  
(b) It increases the production of antibiotics  
(c) It increases the production of anti-serum against bacteria  
(d) It prevents the growth of bacteria
- Q3.**  
Which among the following helps in circulation of blood ?  
(a) Arithrocytus  
(b) Blood platelets  
(c) Monocytes  
(d) Lymphocytes
- Q4.**  
Which among the following elements increases the absorption of water and calcium in plants ?  
(a) Manganese  
(b) Boron  
(c) Copper  
(d) Molybdenum
- Q5.**  
Which wood will become useless soon after exposing in the open air ?  
(a) Softwood  
(b) Fibrous wood  
(c) Wet wood  
(d) Hardwood
- Q6.**  
Which among the following is a large spectrum Antibiotic ?  
(a) Paracetamol  
(b) Pencillin  
(c) Ampicillin  
(d) Chlormphenicol
- Q7.**  
Our bones and teeth are generally made of  
(a) Tricalcium phosphate  
(b) Fluoropetite  
(c) Chloropetite  
(d) Hydrolith
- Q8.**  
Angora wool is extracted from  
(a) rabbit  
(b) sheep  
(c) fox  
(d) goat
- Q9.**  
Which of the following diseases affects women easily than that of men ?  
(a) Heart attack  
(b) Hepatitis  
(c) Joint arthritis  
(d) Arthritis
- Q10.**  
Pituitary gland is located in  
(a) brain  
(b) kidney  
(c) liver  
(d) intestine
- Q11.**  
What is the limit of MG/DL of blood sugar in the normal person at the time of fast ?  
(a) 40-60  
(b) 120-150  
(c) 70-100  
(d) 160-200
- Q12.**  
The cross section of a stem of tree has fifty rings . what is the age of the tree ?  
(a) 50 months  
(b) 5 years  
(c) 25 years  
(d) 50 years
- Q13.**  
Onion is a modified form of  
(a) leaf  
(b) stem  
(c) root  
(d) None of these
- Q14.**  
The pollination of maize takes place by  
(a) self-pollination  
(b) pollination by insects  
(c) pollination by air  
(d) pollination by rain
- Q15.**  
Why radiologists do not take direct Xray photographs of intestine ?  
(a) Intestines are affected by direct exposure to X-rays  
(b) X-rays cannot cross intestine  
(c) X-rays are not able to capture clear picture  
(d) Even short exposure of X-rays causes cancer in intestine
- Q16.**



Exobiology deals with the study of :

- (a) external characters of living organisms
- (b) life on the surface of the earth
- (c) life in the outer layers of atmosphere
- (d) life in other planets and space

**Q17.**

Animals do not have enzyme systems which enable them to make use of the energy from :

- (a) fat
- (b) water
- (c) protein
- (d) carbohydrate

**Q18.**

A clone is a colony of:

- (a) cells having different shapes
- (b) cells having similar shape
- (c) cells having similar genetic constitution
- (d) cells having different genetic constitutions

**Q19.**

The pollen grains of flowers pollinated by insects are :

- (a) smooth and dry
- (b) rough and sticky
- (c) rough and dry
- (d) large and showy

**Q20.**

The disease caused by Asbestos is :

- (a) Emphysema
- (b) Paralysis
- (c) Diarrhea
- (d) Dysentery

**Q21.**

In the eye colour vision is effected by the presence of:

- (a) Choroid coat
- (b) Sclerotic coat
- (c) Rods
- (d) Cones

**Q22.**

Which of the following is NOT one of the important steps in processing tea leaves?

- (a) Rolling
- (b) Drying
- (c) Fermenting
- (d) Withering

**Q23.**

Dehydration in human body is caused due to the loss of:

- (a) vitamins
- (b) salts
- (c) hormones
- (d) water

**Q24.**

Which of the following is the largest living bird ?

- (a) Eagle
- (b) Peacock

(c) Ostrich

(d) Kiwi

**Q25.**

In the case of test tube babies

- (a) egg is fertilized in the uterus.
- (b) embryo completes its development in a test tube.
- (c) embryo is placed in uterus after 2 months.
- (d) egg is fertilized outside mother's body.

**Q26.**

The age of trees is determined by its :

- (a) girth
- (b) height
- (c) growth rings
- (d) general appearance

**Q27.**

Kidney disease in man is caused by the pollutant:

- (a) Cadmium
- (b) Iron
- (c) Cobalt
- (d) Carbon

**Q28.**

Fruits of this plant are found underground:

- (a) Potato
- (b) Carrot
- (c) Groundnut
- (d) Onion

**Q29.**

A rare and endangered animal in Silent Valley is :

- (a) Musk deer
- (b) Tiger
- (c) Lion-tailed macaque
- (d) Rhino

**Q30.**

Maximum photosynthetic activity occurs in :

- (a) blue and red region of light
- (b) green and yellow region of light
- (c) blue and orange region of light
- (d) violet and orange region of light-

**Q31.**

AIDS virus has :

- (a) single-stranded RNA
- (b) double-stranded RNA
- (c) single-stranded DNA
- (d) double stranded DNA

**Q32.**

A breath test used by traffic police to check drunken driving uses:

- (a) potassium dichromate-sulphuric acid
- (b) potassium permanganate-sulphuric acid
- (c) turmeric on filter paper
- (d) silica gel coated with silver nitrate

**Q33.**



AngloNubian is a breed of:

- (a) sheep
- (b) goat
- (c) poultry
- (d) cattle

**Q34.**

What kind of soil is treated with gypsum to make it suitable for cropping?

- (a) Alkaline
- (b) Acidic
- (c) Water-logged
- (d) Soil with excessive clay content

**Q35.**

Typhoid fever is caused by

- (a) virus
- (b) bacteria
- (c) fungus
- (d) allergy

**Q36.**

Which of the following blood group is a universal recipient?

- (a) A
- (b) B
- (c) AB
- (d) O

**Q37.**

Rod shaped bacteria is called

- (a) Bacillus
- (b) Spirillum
- (c) Coccus
- (d) Coma

**Q38.**

The animal which has become extinct recently in India happens to be

- (a) Golden cat
- (b) Cheetah
- (c) Woolly wolf
- (d) Rhinoceros

**Q39.**

All the progeny obtained from a single plant by vegetative propagation are called

- (a) Clones
- (b) Pure line
- (c) Inbred line
- (d) Pedigree line

**Q40.**

What is a Sponge ?

- (a) A fungus
- (b) A fossil
- (c) A plant
- (d) An animal

**Q41.**

Which of the following blood groups may be present in the children of a couple having blood groups A and B respectively?

- (a) A and B only
- (b) A B and AB
- (c) A B AB and O
- (d) A B only

**Q42.**

Which of the following diseases is caused by a virus?

- (a) Poliomyelitis
- (b) Malaria
- (c) Whooping cough
- (d) Ringworm

**Q43.**

Which of the following is known as Vitamin B<sub>1</sub>?

- (a) Retinol
- (b) Thiamin
- (c) Riboflavin
- (d) Ascorbic Acid

**Q44.**

Which of the following is true ?

- (a) DNA is the genetic material in most of the organism
- (b) RNA is the genetic material in most viruses and bacteria
- (c) DNA is the genetic material in all the viruses
- (d) RNA is the genetic material in all the viruses

**Q45.**

Pathogenic bacteria secrete

- (a) Antigens
- (b) Antibodies
- (c) Hormones
- (d) Interferon's

**Q46.**

Where is the Botanical Survey of India headquartered ?

- (a) Lucknow
- (b) Darjeeling
- (c) Kolkata
- (d) Ootacamund

**Q47.**

Who amongst the following was awarded Nobel Prize for path breaking contributions to develop treatment against Parkinson s disease ?

- (a) Arvid Carlsson
- (b) Walter Kohn
- (c) Robert B. Laughlin
- (d) Ferid Murad

**Q48.**

Which of the following food items is rich in iron ?

- (a) Rice
- (b) Apple
- (c) Pulses
- (d) Orange

**Q49.**



Who discovered Cholera germs?

- (a) Robert Koch
- (b) Rene Laennec
- (c) Dresser
- (d) Hansen

**Q50.**

Sweetex used by the diabetic patients has energy content of:

- (a) Five calories
- (b) Ten calorie
- (c) Hundred calories
- (d) Zero calories

**Q51.**

The element which is the most abundant in the human body is:

- (a) Oxygen
- (b) Carbon
- (c) Iron
- (d) Nitrogen

**Q52.**

Oxygen liberated during photosynthesis is coming from

- (a) Carbon dioxide
- (b) Water
- (c) Break down of chlorophyll II
- (d) Atmosphere

**Q53.**

Which of the following is NOT included in the Technology Mission?

- (a) Oil seeds
- (b) Pulses
- (c) Maize
- (d) Vegetables

**Q54.**

Who discovered sex hormones?

- (a) Dreser
- (b) Eugen Steinach
- (c) Edward Calvin
- (d) Samuel Cohen

**Q55.**

Fermentation is a process of decomposition of an organic compound by

- (a) catalysts
- (b) enzymes
- (c) carbanions
- (d) free radicals

**Q56.**

What are the basic units from which human spare parts can be created?

- (a) Nerve cells
- (b) Stem cells
- (c) Heart cells
- (d) Kidney cells

**Q57.**

Adherent mucoid alkaline substance covering the inner lining of stomach is to :

- (a) digest starch
- (b) act against bacteria
- (c) prevent the action of pepsin of mucosa
- (d) prevent viral infection

**Q58.**

The area of the human tongue sensitive to bitterness is restricted to :

- (a) tip
- (b) edges
- (c) middle part
- (d) posterior part

**Q59.**

Amniocentesis is a method for

- (a) determination of fetal health conditions
- (b) determination of the amino acids sequence:
- (c) inducing abortion
- (d) artificial insemination

**Q60.**

During photosynthesis the liberated gas is :

- (a) Carbon dioxide
- (b) Oxygen
- (c) Nitrogen
- (d) Hydrogen

**Q61.**

Which of the following blood cells is compulsory for blood coagulation?

- (a) Platelets
- (b) Red Blood Corpuscles
- (c) White Blood Corpuscles
- (d) Lymphocytes

**Q62.**

Which was the first antibiotic ?

- (a) Terramycin
- (b) Neomycin
- (c) Penicillin
- (d) Streptomycin

**Q63.**

Virus contains

- (a) Protein and lipid
- (b) Nucleic acid and protein
- (c) Lipid and carbohydrate
- (d) Carbohydrate and nucleic acid

**Q64.**

By which the sex of a child is determined before birth ?

- (a) Sperms of father
- (b) Foetus of mother
- (c) Both
- (d) and

**Q65.**

What may be the cause of malfunctioning of thyroid gland ?



- (a) Iodine deficiency
- (b) Iron deficiency
- (c) Calcium deficiency
- (d) Vitamin C

**Q66.**

How many feet has a crab got?

- (a) 12
- (b) 10
- (c) 8
- (d) 6

**Q67.**

Which one of the following is found only in women ?

- (a) Thyroid
- (b) Pituitary
- (c) Ovary
- (d) Adenoid

**Q68.**

Which one of the following is NOT a function of kidney ?

- (a) Regulation of blood pH
- (b) Removal of metabolic wastes from the body
- (c) Production of antibodies
- (d) Regulation of osmotic pressures of the blood

**Q69.**

Water In plants is transported by

- (a) cambium
- (b) phloem
- (c) epidermis
- (d) xylem

**Q70.**

Where are the Eucalyptus trees found in abundance ?

- (a) Mizo Hills
- (b) Naga Hills
- (c) Manipur Hills
- (d) Nilgiri Hills

**Q71.**

Which of the following hormone is released in excess quantity during excitement ?

- (a) Cortisone
- (b) Serotonin
- (c) Adrenaline
- (d) Estrogen

**Q72.**

Clove the commonly used spice is obtained from the

- (a) Fruit
- (b) Stem
- (c) Root
- (d) Flower bud

**Q73.**

What are the blood corpuscles that help to build up resistance against diseases ?

- (a) Leucocytes
- (b) Monocytes
- (c) Neutrophils

**(d) Lymphocytes**

**Q74.**

Which is the gland that holds the body's thermostat?

- (a) Pineal
- (b) Pituitary
- (c) Thyroid
- (d) Hypothalamus

**Q75.**

What is the chromosome number in a human ovum ?

- (a) 24
- (b) 46
- (c) 48
- (d) None of these

**Q76.**

Hashish is obtained from a plant. From which part of the plant is it obtained ?

- (a) Leaves
- (b) Stem
- (c) Exudate from leaves and female inflorescences.
- (d) Exudate from stem and male inflorescences.

**Q77.**

Which organ of the body never rests?

- (a) Eyes
- (b) Pancreas
- (c) Liver
- (d) Heart

**Q78.**

The presence of what distinguishes a plant cell from an animal cell?

- (a) Chloroplasts
- (b) Cell wall
- (c) Cell membrane
- (d) Nucleus

**Q79.**

The branch of agriculture which deals with the feeding, shelter, health and breeding of the domestic animals is called

- (a) Dairy Science
- (b) Veterinary Science
- (c) Poultry
- (d) Animal Husbandry

**Q80.**

Edward Jenner is associated with

- (a) Cholera
- (b) Typhoid
- (c) Smallpox
- (d) Paralysis

**Q81.**

A plant with compound leaves is

- (a) Papaya
- (b) Coconut
- (c) Peepal
- (d) Hibiscus



**Q82.**

The scientist who explained about blood circulation for the first time was

- (a) Antonyvan Leewen Hock
- (b) William Harvey
- (c) Gregor-Mendel
- (d) Ronald Ross

**Q83.**

Which one of the following is not a digestive enzyme ?

- (a) Pepsin
- (b) Renin
- (c) Insulin
- (d) Amylopsin

**Q84.**

The Theory of Evolution was put forward by

- (a) Louis Pasteur
- (b) Aristotle
- (c) Gregor Mendel
- (d) Charles Darwin

**Q85.**

In a human body the longest bone is In the

- (a) vertebral column
- (b) thigh
- (c) rib cage
- (d) arm

**Q86.**

Which of the following food crops has the maximum content of proteins ?

- (a) Cassava
- (b) Soyabean
- (c) Wheat
- (d) Maize

**Q87.**

Where did the new form of pneumonia "SARS" start ?

- (a) Canada
- (b) Singapore
- (c) China
- (d) Thailand

**Q88.**

The total number of vertebrae in a human being is

- (a) 26
- (b) 30
- (c) 29
- (d) 33

**Q89.**

On the average what percentage of human body has the element of oxygen ?

- (a) 65
- (b) 25
- (c) 10
- (d) 5

**Q90.**

BCG vaccination is to be given to a newborn child

- (a) immediately after birth
- (b) within 48 hours
- (c) within seven days
- (d) within six months

**Q91.**

The hybrid between horse and donkey is called

- (a) Pony
- (b) Colt
- (c) Mule
- (d) Zebra

**Q92.**

Glaucoma is a disease of the

- (a) Skin
- (b) Lungs
- (c) Liver
- (d) Eyes

**Q93.**

The chemical used for destroying Fungi in water tanks is

- (a) Copper sulphate
- (b) Magnesium sulphate
- (c) Zinc sulphate
- (d) Nitric acid

**Q94.**

Human kidney disorder is caused by the pollution of

- (a) Cadmium
- (b) Iron
- (c) Cobalt
- (d) Carbon

**Q95.**

Dehydration in human body is caused due to the deficiency of

- (a) Vitamin
- (b) Salt
- (c) Hormone
- (d) Water

**Q96.**

Who among the following analysed DNA for the first time ?

- (a) Arthur Comberg
- (b) Hargobind Khurana
- (c) M. W. Nirenberg
- (d) Watson and Krick

**Q97.**

Which among the following bears smallest living cell

- (a) Bacterium
- (b) Mollusk plasma
- (c) Virus
- (d) Yeast

**Q98.**

Yawning occurs

- (a) due to excess concentration of CO<sub>2</sub> in blood
- (b) due to excess concentration of CO<sub>2</sub> in lungs



- (c) due to excess concentration of CO<sub>2</sub> in lungs  
(d) None of these

**Q99.**

Which among the following living being has respiratory organ but does not have brain ?

- (a) crab  
(b) starfish  
(c) blood sucker  
(d) silverfish

**Q100.**

Which vitamin helps in blood coagulation?

- (a) Vitamin-A  
(b) Vitamin-C  
(c) Vitamin-K  
(d) Vitamin-E

**Q101.**

A substance that stimulates the production of antibodies when introduced into a living organism is known as

- (a) carcinogen  
(b) androgen  
(c) antigen  
(d) estrogen

**Q102.**

Darwin finches refer to a group of

- (a) Fishes  
(b) Lizards  
(c) Birds  
(d) Amphibians

**Q103.**

The tissue in man where no cell division occurs after birth is

- (a) skeletal  
(b) nerves  
(c) connective  
(d) germinal

**Q104.**

The source of oxygen generated during photosynthesis is :

- (a) water  
(b) carbon dioxide  
(c) chlorophyll  
(d) mesophyll cells

**Q105.**

Which one of the following elements is associated with teeth disorder?

- (a) Chlorine  
(b) Fluorine  
(c) Bromine  
(d) Iodine

**Q106.**

Which one of the following is an abnormal constituent of urine ?

- (a) Creatinine  
(b) Urea  
(c) Uric acid  
(d) Ketone bodies

**Q107.**

Which one of the following cells produces antibodies ?

- (a) Eosinophil  
(b) Monocyte  
(c) Basophil  
(d) Lymphocytes

**Q108.**

The Vitamin which helps in clotting of blood is :

- (a) A  
(b) D  
(c) B  
(d) K

**Q109.**

At very high altitude the Red Blood Corpuscles in the human body will:

- (a) increase in size  
(b) decrease in size  
(c) increase in number  
(d) decrease in number

**Q110.**

A test tube baby means :

- (a) a baby grown in a test tube.  
(b) embryo fertilised in uterus and developed in test tube.  
(c) embryo fertilised and developed in uterus.  
(d) fertilisation in vitro and then transplantation in the uterus.

**Q111.**

The metal present in insulin is

- (a) Copper  
(b) iron  
(c) Zinc  
(d) Magnesium

**Q112.**

Roundworm is a human parasite found in the

- (a) Small Intestine  
(b) Liver  
(c) Stomach  
(d) Large intestine

**Q113.**

Which of the following is a rich source of Vitamin B12?

- (a) Cashew nut  
(b) milk  
(c) Apple  
(d) Watermelon

**Q114.**

What is the number of chromosomes in a normal human body

- (a) 43



- (b)44
- (c)45
- (d)46

**Q115.**

xerophthalmia Is a deficiency disease caused by lack of

- (a) Vitamin A
- (b) Vitamin B
- (c) Vitamin C
- (d) Vitamin D

**Q116.**

Out of the following glands which is referred to as the master gland

- (a) Thyroid
- (b) Adrenal gland
- (c) Pituitary
- (d) Pancreas

**Q117.**

What is an antibiotic?

- (a) A chemical compound produced by a living organism (that inhibits the growth of other organisms)
- (b) A compound synthesized by a living organism that inhibits the growth of microbes
- (c) A synthetic compound inhibiting the growth of other organisms
- (d) A synthetic compound inhibiting the growth of bacteria

**Q118.**

Carbohydrate is stored in the body as

- (a) glucose
- (b) starch
- (c) glycogen
- (d) sucrose

**Q119.**

Which was the first enzyme isolated in pure crystalline form ?

- (a) Amylase
- (b) Catalase
- (c) Lipase
- (d) Crease

**Q120.**

Process of digestion is helped by

- (a) Enzyme
- (b) Hormone
- (c) Mineral
- (d) Vitamin

**Q121.**

Which is the organ that excretes water fat and various catabolic wastes?

- (a) Kidney
- (b) Skin
- (c) Spleen
- (d) Salivary glands

**Q122.**

The animal which uses sounds as its eyes is

- (a) Dog
- (b) Cat
- (c) Snake
- (d) Bat

**Q123.**

Pregnant women usually become deficient in

- (a) Sodium and Calcium
- (b) Iron and Sodium
- (c) Calcium and Iron
- (d) Magnesium and Iron

**Q124.**

Which components of light are absorbed by chlorophyll ?

- (a) Violet and red
- (b) indigo and orange
- (c) Blue and red
- (d) Violet and yellow

**Q125.**

Ginger is a stem and not a root because

- (a) It stores food material
- (b) It grows horizontal in the soil
- (c) It has nodes and internodes
- (d) It lacks chlorophyll

**Q126.**

Eyes of potato are useful for

- (a) Nutrition
- (b) reproduction
- (c) Reproduction
- (d) Vegetative propagation

**Q127.**

Taenia solium (Tape worm) lives as a parasite in

- (a) Pig
- (b) Abdomen of man/ woman
- (c) Intestine of man/woman
- (d) Liver of man/woman

**Q128.**

An ant can see the objects all around it due to the presence of

- (a) Simple Eyes
- (b) Eyes over the head
- (c) Well-developed eyes
- (d) Compound eyes

**Q129.**

What is the approximate time required for a heartbeat ?

- (a) 5 second
- (b) 8 second
- (c) 5 minute
- (d) 0 minute

**Q130.**

Which of the following elements is obtained from the sea algae ?

- (a) Argon



- (b) Sulphur
- (c) Vanadium
- (d) Iodine

**Q131.**

Which of the following is not a component of chlorophyll ?

- (a) Hydrogen
- (b) Magnesium
- (c) Carbon
- (d) Calcium

**Q132.**

Which of the following is the largest living bird ?

- (a) Peacock
- (b) Ostrich
- (c) Dodo
- (d) Turkey

**Q133.**

In which of the following generally hormone is not found ?

- (a) Rat
- (b) Monkey
- (c) Bacteria
- (d) Cat

**Q134.**

The causative organism of dengue fever is

- (a) Fungus
- (b) Bacteria
- (c) Protozoa
- (d) Virus

**Q135.**

Which of the following is considered to be the best cholesterol ?

- (a) VLDL
- (b) LDL
- (c) HDL
- (d) Triglycerides

**Q136.**

Thalassemia is a hereditary disease. It affects

- (a) Blood
- (b) Spleen
- (c) Lungs
- (d) Heart

**Q137.**

Which of the following represents a food chain involving a producer a vegetarian and a nonvegetarian?

- (a) Grass - Insect - Elephant
- (b) Plant - Rabbit - Tiger
- (c) Fish - Insect - Whale
- (d) Tiger - Rabbit - Owl

**Q138.**

Which of the following makes the skin layer impervious to water ?

- (a) Collagen

(b) Melanin

(c) Keratin

(d) Chitin

**Q139.**

Two richest known sources of edible protein are

- (a) meat and eggs
- (b) milk and vegetables
- (c) soybean and groundnut
- (d) some type of algae and other micro-organisms

**Q140.**

Which of the following weeds has been found useful to check water pollution caused by industrial effluent ?

- (a) Parthenium
- (b) Elephant grass
- (c) Water hyacinth
- (d) Both

**Q141.**

Which of the following is correlated with blood pressure ?

- (a) Liver
- (b) Testis
- (c) Pancreas
- (d) Adrenal

**Q142.**

Which of the following structures present in mammalian skin directly helps in keeping the body warm?

- (a) Pigmented cells
- (b) Sweat glands
- (c) Lymph vessels
- (d) Blood capillaries

**Q143.**

Which from the following diseases usually spreads through milk? "

- (a) Tuberculosis
- (b) Jaundice
- (c) Diphtheria
- (d) Cholera

**Q144.**

Which are the largest fixator of solar energy ?

- (a) Bacteria
- (b) Protozoa
- (c) Fungi
- (d) Green plants

**Q145.**

Which of the following is a correct description of tissue culture ?

- (a) Conservation of forests and plantation
- (b) Growth and propagation of horticultural crops
- (c) Science of cultivating animal tissue in artificial medium
- (d) Protection of wild animals

**Q146.**

Study of field crops is called



- (a) Pomology
- (b) Agronomy
- (c) Olericulture
- (d) Floriculture

**Q147.**

Carrot is orange in colour because

- (a) It grows in the soil
- (b) It is not exposed to sunlight
- (c) It contains carotene
- (d) The entire plant is orange in colour

**Q148.**

Select the bio fertilizer in the following :

- (a) Compost
- (b) Ammonium sulphate
- (c) Cattle dung -
- (d) Algae and blue-green algae

**Q149.**

Full form of the infectious disease SARS is

- (a) Syndrome Associated with Respiratory Symptoms
- (b) Severe Acute Respiratory Syndrome
- (c) Severe Asthmatic Respiratory Syndrome
- (d) Syndrome Alarm on Respiratory System

**Q150.**

Insects responsible for transmitting diseases are called

- (a) Vector
- (b) Transmitter
- (c) Drones
- (d) Conductor

**Q151.**

Camel is a desert animal that can live without water for many days because

- (a) it does not need water
- (b) water is formed in the body due to oxidation of fat
- (c) it has the water sac in the walls of the lumen of stomach
- (d) All of the above

**Q152.**

Which of these components of the blood is responsible for clotting?

- (a) R.B.C.
- (b) Lymphocytes
- (c) Monocytes
- (d) Platelets

**Q153.**

Founder of Homeopathy is

- (a) Samuel Hahnemann
- (b) Hippocrates
- (c) Charaka
- (d) Sushruta

**Q154.**

Development of an egg without fertilization is called

- (a) Gametogenesis
- (b) Parthenogenesis

- (c) Oogenesis
- (d) Metamorphosis

**Q155.**

Match List I with List II and select the correct answer using the codes given below the lists:

**List I : Symptom**

- A. weak sight
- B. anemia
- C. skin problems
- D. breaking of bones

**List II : Cause**

- Deficiency of iron
- Deficiency of vitamin A
- Deficiency of vitamin C
- Deficiency of calcium

(a) A B C D 2413

(b) A B C D 3214

(c) A B C D 3124

(d) A B C D 2341

**Q156.**

In the process of dialysis used on patients with affected kidneys the phenomenon involved is

- (a) Diffusion
- (b) Absorption
- (c) Osmosis
- (d) Electrophoresis

**Q157.**

What is the normal blood sugar level of a human being?

- (a) Close to 10 mg/ml
- (b) 120 -150 mg/ dl
- (c) 80 - 90 mg/ dl
- (d) 150-200 mg/dl

**Q158.**

Literal meaning of the term "Homo Sapiens" is

- (a) Man-The Wise
- (b) Man - The Supreme
- (c) Man - The Omnivore
- (d) Man-The Fool

**Q159.**

During photosynthesis in plants the gas evolved is

- (a) Carbon dioxide
- (b) Nitrogen
- (c) Oxygen
- (d) Hydrogen

**Q160.**

The seeds of certain plants fail to germinate if they do not pass through the digestive tract of fruit-eating birds.

This is due to

- (a) hibernation
- (b) seed coat impermeability
- (c) infertility
- (d) vegetative reproduction

**Q161.**



Sucrose content in sugarcane decreases

- (a) if high rainfall occurs during the period of growth of the plant
- (b) if frost occurs during the period of ripening
- (c) if there is fluctuation in temperature during the period of growth of the plant
- (d) if there is high temperature during the time of ripening

**Q162.**

The concept of survival of the fittest was first advocated by

- (a) Oparin
- (b) Darwin
- (c) Spencer
- (d) Haeckel

**Q163.**

Deficiency of vitamin D in children causes

- (a) beriberi
- (b) pellagra
- (c) rickets
- (d) scurvy

**Q164.**

In man the normal number of chromosomes is

- (a) 42
- (b) 44
- (c) 46
- (d) 48

**Q165.**

Scurvy is a disease which is caused due to the deficiency of vitamin

- (a) A
- (b) K
- (c) C
- (d) B12

**Q166.**

Respiration is

- (a) oxidation
- (b) reduction
- (c) hydrolysis
- (d) amination

**Q167.**

During photosynthesis green plants absorb

- (a) nitrogen
- (b) carbon dioxide
- (c) carbon monoxide
- (d) oxygen

**Q168.**

Tamiflu is frontline drug against

- (a) bird flu
- (b) cancer
- (c) AIDS
- (d) polio

**Q169.**

Why excessive heating and repeated use of cooking oil are most undesirable?

- (a) The oil vapour can cause indoor pollution
- (b) Carcinogenic substances like benzpyrene are produced
- (c) Nutrient value of food is lost
- (d) Loss and wastage of oil

**Q170.**

The name of the first cloned sheep was

- (a) Molly
- (b) Dolly
- (c) Jolly
- (d) Roly

**Q171.**

Through Photosynthesis green plants generate

- (a) inorganic materials.
- (b) minerals
- (c) organic materials
- (d) nutrients

**Q172.**

Lac is produced from

- (a) a tree
- (b) an insect
- (c) an cat
- (d) a muskrat

**Q173.**

Quarantine regulation is concerned with

- (a) growing of better varieties of plant
- (b) prevention of entry of diseased organism
- (c) spraying of insecticide over diseased plants
- (d) identification of diseased organism

**Q174.**

Toxicology is related to the study of

- (a) viruses
- (b) bacteria
- (c) diseases
- (d) poisons

**Q175.**

Which of the following hormones is released in excess quantity during excitement ?

- (a) Cortisone
- (b) Serotonin
- (c) Adrenaline
- (d) Oestrogen

**Q176.**

Scientific study of birds is known as

- (a) Limnology
- (b) Herpetology
- (c) Malacology
- (d) Ornithology

**Q177.**

Which one of the following is a nonpoisonous of snake ?

- (a) Cobra



- (b) Dryophis
- (c) Elapes
- (d) Python

**Q178.**

Which among the following is used in the treatment of tuberculosis ?

- (a) Penicillin
- (b) Aspirin
- (c) Paracetamol
- (d) Dettol

**Q179.**

Which part of human body is first highly affected by nuclear radiation?

- (a) Eyes
- (b) Lungs
- (c) Skin
- (d) Bone Marrow

**Q180.**

Olive Ridley is a famous

- (a) cricketer
- (b) turtle species
- (c) grass type vegetation
- (d) Another name for olive tree

**Q181.**

The standard audible capacity of a healthy human being as per World Health Organisation is in the range of

- (a) 45-50 decibels
- (b) 200-250 decibels
- (c) 5-10 decibels
- (d) 2000-2500 decibels

**Q182.**

Jonas Salk invented the vaccine for

- (a) Polio
- (b) Hepatitis
- (c) Typhoid
- (d) Cholera

**Q183.**

Cancer is a disease where we find uncontrolled

- (a) cell division
- (b) cell swelling
- (c) cell inflammation
- (d) cell deformity

**Q184.**

Lac which is used as sealing wax is produced by

- (a) stem
- (b) root
- (c) insect
- (d) bird°

**Q185.**

Triple vaccine is administered to a new born child to immunize it against

- (a) whooping cough tetanus and measles
- (b) whooping cough tetanus and diphtheria

- (c) tetanus diphtheria measles- and rubella
- (d) tetanus diphtheria small pox and rubella

**Q186.**

An antibiotic is

- (a) a chemical synthesized by a human cell against a microorganism
- (b) a chemical synthesized by a micro-organism against an-x other micro-organisms
- (c) a substance produced by blood cells against bacteria
- (d) a substance produced by blood cells against infection.

**Q187.**

Which one of the following can be synthesized by Liver ?

- (a) Vitamin-A
- (b) Vitamin-E
- (c) Vitamin-D
- (d) Vitamin - K

**Q188.**

Fluid part of blood devoid of corpuscles is called

- (a) Tissue fluid
- (b) Plasma
- (c) Serum
- (d) Lymph

**Q189.**

Heart murmur indicates a

- (a) defective valve
- (b) poor oxygenation
- (c) dislocation of the heart
- (d) improper development of muscles

**Q190.**

The language used In writing the scientific name of animals is

- (a) French
- (b) Latin
- (c) German
- (d) Dutch

**Q191.**

Ripe grapes contain

- (a) Fructose
- (b) Sucrose
- (c) Galactose
- (d) Glucose

**Q192.**

M.R.I. stands for

- (a) Metered Resonance Imaging
- (b) Magnetic Resonance Imaging
- (c) Magnetic Reaction Imaging
- (d) Metered Reaction Imaging

**Q193.**

The science dealing with the study of teeth is

- (a) Odontology
- (b) Ornithology
- (c) Phenology



**(d) Cosmology**

**Q194.**

The enzyme In whose presence glucose and fructose are converted into alcohol is

- (a) Diastase**
- (b) Maltase**
- (c) Invertase**
- (d) Zymase**

**Q195.**

The study of visceral organs is

- (a) Angiology**
- (b) Arthrology**
- (c) Anthrology**
- (d) Splanchnology**

**Q196.**

The branch of biology dealing with the study of cells is known as

- (a) Cytology**
- (b) Histology**
- (c) Psychology**
- (d) Physiology**

**Q197.**

The study of extinct animals is called

- (a) Herpetology**
- (b) Ornithology**
- (c) Geology**
- (d) Palaeontology**

**Q198.**

The medical term used for the sleeplessness is

- (a) Somnambulism**
- (b) Insomnia**
- (c) Hallucination**
- (d) Nyctinuria**

**Q199.**

The causative agent of Tuberculosis is

- (a) Mycobacterium**
- (b) Aspergillus**
- (c) Rhabdovirus**
- (d) HIV**

**Q200.**

The enzyme that is present in the saliva of man is

- (a) Pepsin**
- (b) Renin**
- (c) Amylase**
- (d) Trypsin**

**Q201.**

Blood cancer is otherwise called as

- (a) Anaemia**
- (b) Polycythemia**
- (c) Leucopenia**
- (d) Leukaemia**

**Q202.**

Radioimmunoassay (RIA) is a therapy used

- (a) to cure lung cancer**
- (b) to cure AIDS**
- (c) to cure fractures in bones**
- (d) to detect antibodies and hormones present in the blood samples**

**Q203.**

Which one of the following is not a true snake ?

- (a) Glass snake**
- (b) Sea snake**
- (c) Tree snake**
- (d) Blind snake**

**Q204.**

Which one of the following set belongs to the class Mammalia ?

- (a) Lion Hippopotamus Penguin Bat.**
- (b) Lion Bat Whale Ostrich**
- (c) Hippopotamus Penguin Whale Kangaroo**
- (d) Whale Bat Kangaroo Hippopotamus**

**Q205.**

Which one of the following pairs belongs to cartilaginous fish ?

- (a) Shark and Tuna**
- (b) Shark and Ray**
- (c) Skates and Hilsa**
- (d) Ray and Eel**

**Q206.**

Which of the following has no skeleton at all ?

- (a) Star fish**
- (b) Sponge**
- (c) Jellyfish**
- (d) Silver fish**

**Q207.**

What is an endoscope ?

- (a) It is an optical instrument used to see inside the alimentary canal**
- (b) It is a device which is fitted on the chest of the patient to regularize the irregular heart beats**
- (c) It is an instrument used for examining ear disorders**
- (d) It is an instrument for recording electrical signals produced by human muscles**

**Q208.**

The age of a tree can be determined more or less accurately by

- (a) counting the number of branches**
- (b) measuring the height of the tree**
- (c) measuring the diameter of the trunk**
- (d) counting the number of rings in the trunk**

**Q209.**

Of all microorganisms the most adaptable and versatile are

- (a) Viruses**
- (b) Bacteria**
- (c) Algae**



(d) Fungi

**Q210.**

The disease in which the sugar level of blood increases is known as

- (a) Diabetes mellitus
- (b) Diabetes insipidus
- (c) Diabetes imperfectus
- (d) Diabetes sugarensis

**Q211.**

Which one of the following is not a mosquito borne disease?

- (a) Dengue fever
- (b) Filariasis
- (c) Sleeping sickness
- (d) Malaria

**Q212.**

Which one of the following is the tallest bird?

- (a) Peacock
- (b) Penguin
- (c) Ostrich
- (d) Emu

**Q213.**

Which one of the following animals is called farmer's friend?

- (a) Ant
- (b) Earthworm
- (c) Bee
- (d) Butterfly

**Q214.**

The term gene was coined by

- (a) T. H. Morgan
- (b) W. L. Johanssen
- (c) G. Mendel
- (d) De Vries

**Q215.**

Which one of the following creatures has maximum number of ribs?

- (a) Crocodile
- (b) Snake
- (c) Ray fish
- (d) Flying mammal

**Q216.**

Which one of the following is most important for the growth of children up to the age of 14?

- (a) Protein
- (b) Vitamin
- (c) Fat
- (d) Milk

**Q217.**

Study of newly born up to the age of 3 months is called

- (a) Chorology
- (b) Conchology
- (c) Nematology

(d) Neonatology

**Q218.**

Which one of the following does not secrete any digestive enzyme?

- (a) Liver
- (b) Salivary gland
- (c) Glands of small intestine
- (d) Pancreas

**Q219.**

Which one of the following is related to silviculture?

- (a) Culture of Hilsa
- (b) Culture of silver carp
- (c) Culture of oil-producing plants
- (d) Forest crops

**Q220.**

The term GM food refers to the food

- (a) that grows under genetic measures
- (b) that is genetically modified
- (c) that grows under geographical modification
- (d) with greater glucose metabolism

**Q221.**

Which one of the following is a fish?

- (a) Silverfish
- (b) Starfish
- (c) Dogfish
- (d) Cuttlefish

**Q222.**

The colour of human skin is produced by

- (a) Hemoglobin
- (b) Insulin
- (c) Adrenaline
- (d) Melanin

**Q223.**

Which one of the following is not transmitted via blood transfusion?

- (a) Hepatitis
- (b) Typhoid
- (c) HIV
- (d) Malaria

**Q224.**

Flat footed camels can walk easily in sandy deserts because

- (a) pressure on the sand is decreased by increasing the area of the surface in contact
- (b) pressure on the sand is increased by increasing the area of the surface in contact
- (c) pressure on the sand is decreased by decreasing the area of the surface in contact
- (d) pressure on the sand is increased by decreasing the area of the surface in contact

**Q225.**

Which one of the following is not a plant product?

- (a) Caffeine



- (b) Pipeline
- (c) Nicotine
- (d) Saccharin

**Q226.**

Which is the anticoagulant substance in blood?

- (a) Fibrinogen
- (b) Heparin
- (c) Thrombin
- (d) Globin

**Q227.**

In which of the following groups animals bear no teeth?

- (a) Peacock Ostrich Tortoise
- (b) Owl Loris Crow
- (c) Alligator Turtle Tortoise
- (d) Turtle Kiwi Cow

**Q228.**

Jaundice is a symptom of disease of

- (a) Kidney
- (b) Liver
- (c) Pancreas
- (d) Thyroid

**Q229.**

The vaccination against small pox involves the introduction of

- (a) killed germs
- (b) weakened germs
- (c) live antibodies
- (d) activated germs

**Q230.**

Deficiency of Vitamin B<sub>6</sub> in man causes

- (a) rickets
- (b) scurvy
- (c) beri-beri
- (d) anaemia

**Q231.**

First successful heart transplantation was done by

- (a) D.S. Paintal
- (b) C.N. Barnard
- (c) D. Shetty
- (d) P. K. Sen

**Q232.**

Washing of peeled vegetables removes the vitamin

- (a) A
- (b) C
- (c) D
- (d) E

**Q233.**

A man with colour blindness will see red as

- (a) Yellow
- (b) Blue
- (c) Green
- (d) Violet

**Q234.**

The metal which is a constituent of vitamin B<sub>12</sub> is

- (a) Iron
- (b) Magnesium
- (c) Zinc
- (d) Cobalt

**Q235.**

According to WHO the bird flue virus cannot be transmitted through food cooked beyond

- (a) 60 degrees Celsius
- (b) 70 degrees Celsius
- (c) 90 degrees Celsius
- (d) 100 degrees Celsius

**Q236.**

The number of chambers in a human heart is

- (a) Four
- (b) Two
- (c) Three
- (d) Five

**Q237.**

A universal recipient belongs to the blood group

- (a) AB
- (b) 0
- (c) B
- (d) A

**Q238.**

The vitamin that helps in blood clotting is

- (a) Vitamin C
- (b) Vitamin D
- (c) Vitamin E
- (d) Vitamin K

**Q239.**

Which of the following is a perfect match ?

- (a) Coronary attack - vascular dilation
- (b) Atherosclerosis - blockage of arteries
- (c) Hypertension - low blood pressure
- (d) Hypotension - heart attack

**Q240.**

Which of the following is correct about cold blooded animals ?

- (a) Their blood remains cold all the time
- (b) Their body temperature changes in accordance with the atmosphere
- (c) Their body temperature remains constant all the time
- (d) They kill all the animals they come across

**Q241.**

If the blood group of one parent is AB and that of the other O the possible blood group of their child would be

- (a) A or B
- (b) A or B or O
- (c) A or AB or O
- (d) A or B or AB or O

**Q242.**



How many bones are there in the human body?

- (a) 187
- (b) 287
- (c) 206
- (d) 306

**Q243.**

Dinosaurs were

- (a) mammals that became extinct
- (b) large herbivorous creatures which gave rise to hippopotamus species
- (c) egg-laying mammals
- (d) reptiles that became extinct

**Q244.**

Sweat glands in mammals are primarily concerned with

- (a) removal of excess salts
- (b) excretion of nitrogenous wastes
- (c) thermoregulation
- (d) sex-attraction

**Q245.**

The vitamin that helps to prevent infections in the human body is

- (a) vitamin A
- (b) vitamin B
- (c) vitamin C
- (d) vitamin D

**Q246.**

The normal RBC count in adult male is

- (a) 5 million
- (b) 0 million
- (c) 5 million
- (d) 0 million

**Q247.**

Which of the following is the sweetest sugar ?

- (a) Sucrose
- (b) Glucose
- (c) Fructose
- (d) Maltose

**Q248.**

The H5N1 virus which causes bird flu was first discovered in

- (a) 1991
- (b) 1995
- (c) 1997
- (d) 2001

**Q249.**

Tetanus is caused by

- (a) Clostridium
- (b) Virus
- (c) Bacteriophage
- (d) Salmonella

**Q250.**

Vitamin E is particularly important for

- (a) development of teeth

(b) carbohydrate metabolism

(c) normal activity of sex glands

(d) general health of epithelial tissues

**Q251.**

Birds usually have a single

- (a) Kidney
- (b) Lung
- (c) Testis
- (d) Ovary

**Q252.**

Blood pressure is controlled by

- (a) Adrenal gland
- (b) Thyroid gland
- (c) Thymus
- (d) Corpus Luteum

**Q253.**

The carbon dioxide content in the air that we exhale is about

- (a) 4%
- (b) 8%
- (c) 12%
- (d) 16%

**Q254.**

Maximum harm to a tree is caused by

- (a) Loss of half of its leaves
- (b) loss of all leaves
- (c) loss of half of its branches
- (d) loss of its bark

**Q255.**

Mineral constituent of chlorophyll is

- (a) Iron
- (b) Magnesium
- (c) Calcium
- (d) Potassium

**Q256.**

Which of the part of tongue bears cells for sour taste ?

- (a) Front
- (b) Back
- (c) Sides
- (d) Middle

**Q257.**

The deficiency of Vitamin B causes

- (a) Scurvy
- (b) Dermatitis
- (c) Beri Beri
- (d) Phynoderma

**Q258.**

In which vertebrate oxygenated and deoxygenated blood gets mixed?

- (a) Fish
- (b) Amphibian
- (c) Bird
- (d) Mammal



**Q259.**

The large amount of sugar present in human blood is

- (a) sucrose
- (b) glucose
- (c) fructose
- (d) lactose

**Q260.**

Which one of the following is a viral disease in man ?

- (a) Mumps
- (b) plague
- (c) Cholera
- (d) Syphilis

**Q261.**

The expansion for AIDS is

- (a) Active Immuno Deficiency Syndrome
- (b) Acquired Individual Disease Syndrome
- (c) Acquired Immuno Deficiency Syndrome
- (d) Acquired Immuno Disease Syndrome

**Q262.**

Bee Keeping is known as

- (a) Sericulture
- (b) Apiculture
- (c) Aquaculture
- (d) Agriculture

**Q263.**

HYV refers to

- (a) Hybrid yielding variety
- (b) Human yellow virus
- (c) High yielding variety
- (d) Human yellow vaccine

**Q264.**

Among the defects of eye the shortsightedness is called

- (a) coma
- (b) hypermetropia
- (c) myopia
- (d) astigmatism

**Q265.**

Human cloning is permitted in Britain for the purpose of

- (a) Reproduction
- (b) Research
- (c) Therapeutics
- (d) Genetics

**Q266.**

Pick out the viral disease among the following:

- (a) Hepatitis
- (b) Meningitis
- (c) Arthritis
- (d) Nephritis

**Q267.**

Dolly the World's First cloned animal was a

- (a) sheep
- (b) cow

(c) goat

(d) pig

**Q268.**

Vegetables are easily perishable because of their high content of

- (a) sugars
- (b) water
- (c) vitamins
- (d) enzymes

**Q269.**

Anaemia occurs due to the deficiency of

- (a) riboflavin
- (b) thiamine
- (c) folic acid
- (d) niacin

**Q270.**

For a healthy heart one needs to take a balanced diet adequate sleep and

- (a) indulge in vigorous mental activities
- (b) play games like carrom chess and cards
- (c) do right amount of physical exercise
- (d) do sedentary work

**Q271.**

AIDS is a/ an

- (a) bacterial disease
- (b) viral disease
- (c) fungal disease
- (d) algal disease

**Q272.**

Amoebic dysentery is caused by

- (a) Entamoeba histolytic
- (b) Salmonella typhi
- (c) E coil
- (d) Streptococcus pyogenes

**Q273.**

DNA test was developed by

- (a) Dr. Alec Jeffreys
- (b) pr. V.K. Kashyap
- (c) Watson and Crick
- (d) Gregor Mendel

**Q274.**

An ECG shows the functioning of the

- (a) brain
- (b) heart
- (c) lungs
- (d) kidneys

**Q275.**

Which of the following is incorrect?

- (a) AIDS is retroviral disease
- (b) AIDS is transmitted by homo and hetero-sexual contact
- (c) AIDS was first recognised in USA in 1981
- (d) AIDS causes ano-genital warts



**Q276.**

If the radius of blood vessels of a person decreases his/her blood pressure will

- (a) increase
- (b) decrease
- (c) remain unaffected
- (d) increase for males and decrease for females

**Q277.**

Cell or tissue death within a living body is called as

- (a) Neutrophilia
- (b) Nephrosis
- (c) Necrosis
- (d) Neoplasia

**Q278.**

Insufficient blood supply In human body is referred as

- (a) Ischemia
- (b) Hyperemia
- (c) Hemostasia
- (d) Hemorrhage

**Q279.**

Deep fried food materials are carcinogenic because they are rich in

- (a) Fats
- (b) Hydrocarbons
- (c) Cooking oil
- (d) Nicotine

**Q280.**

The toxicity of which of the following heavy metals leads to liver cirrhosis?

- (a) Copper
- (b) Lead
- (c) Mercury
- (d) Zinc

**Q281.**

Typhoid is caused by

- (a) Pseudomonas sp.
- (b) Staphylococcus
- (c) Bacillus
- (d) Salmonella typhi

**Q282.**

BCG immunization is for

- (a) Measles
- (b) Tuberculosis
- (c) Diphtheria
- (d) Leprosy

**Q283.**

Besides carbohydrates a major source of energy in our food is constituted by

- (a) Proteins
- (b) Fats
- (c) Minerals
- (d) Vitamins

**Q284.**

The limb bones of children become bent if there is deficiency of vitamin

- (a) a
- (b) b
- (c) D
- (d) E

**Q285.**

A medicine which promotes the secretion of urine is called

- (a) Adrenaline
- (b) Monoureteric
- (c) Diuretic
- (d) Triuretic

**Q286.**

The chemicals released by one species of animals in order to attract the other members of the same species are

- (a) Hormones
- (b) Nucleic acids
- (c) Pheromones
- (d) Steroids

**Q287.**

Jaundice is caused due to the infection of

- (a) Brain
- (b) Liver
- (c) Kidney
- (d) Spleen

**Q288.**

The average heart beat rate per minute in a normal person is

- (a) 82
- (b) 92
- (c) 72
- (d) 98

**Q289.**

EEG records the activity of

- (a) heart
- (b) lungs
- (c) brain
- (d) muscles

**Q290.**

The colour of cow s milk is slightly yellow due to the presence of

- (a) Xanthophyll
- (b) Riboflavin
- (c) Ribulose
- (d) Carotene

**Q291.**

Which one of these is a communicable disease ?

- (a) Diabetes
- (b) Diphtheria
- (c) Arthritis
- (d) Cancer



**Q292.**

The concentration of which of the following decreases in anemia ?

- (a) Hemoglobin
- (b) Collagen
- (c) Hyoglobin
- (d) Myosin

**Q293.**

Which of the following diseases usually spreads through air ?

- (a) Plague
- (b) Typhoid
- (c) Tuberculosis
- (d) Cholera

**Q294.**

Cereals are a rich source of

- (a) Starch
- (b) Glucose
- (c) Fructose
- (d) Maltose

**Q295.**

Small Pox is caused by

- (a) Rubeola Virus
- (b) Variola Virus
- (c) Varicella
- (d) Myxovirus

**Q296.**

Respiration process requires

- (a) heat
- (b) water
- (c) oxygen
- (d) sunlight

**Q297.**

A vitamin requires cobalt for its activity. The vitamin is

- (a) Vitamin B<sub>12</sub>
- (b) Vitamin D
- (c) Vitamin B<sub>2</sub>
- (d) Vitamin A

**Q298.**

Plasma membrane in eukaryotic cells is made up of

- (a) Phospholipid
- (b) Lipoprotein
- (c) Phospholipo-protein
- (d) Phospho-protein

**Q299.**

Which one of the following is also called the power plants of the cell?

- (a) Golgi body
- (b) Mitochondrion
- (c) Ribosome
- (d) Lysosome

**Q300.**

What is the chemical name of vinegar ?

- (a) Citric acid
- (b) Acetic acid
- (c) Pyruvic acid
- (d) Malic acid

**Q301.**

Animals living in the three trunks are known as

- (a) Arboreal
- (b) Volant
- (c) Amphibious
- (d) Aquatics

**Q302.**

What happens to a person who receives the wrong type of blood?

- (a) All the arteries constrict
- (b) All the arteries dilates
- (c) The RBCs agglutinate
- (d) The spleen and lymphnodes deteriorate

**Q303.**

Ringworm is a disease.

- (a) Bacterial
- (b) Protozoan
- (c) Viral
- (d) Fungal

**Q304.**

Pituitary gland is situated In

- (a) the base of the heart
- (b) the base of the brain
- (c) the neck
- (d) the abdomen

**Q305.**

From which part of the plant is clove the commonly used spice obtained ?

- (a) Fruit
- (b) Flower bud
- (c) Stem
- (d) Root

**Q306.**

Chewing gum is made from

- (a) Resin
- (b) Tannin
- (c) Latex
- (d) Gum

**Q307.**

The brain of human adult weighs about

- (a) 1200- 1300 gm
- (b) 1600 - 2000 gm
- (c) 500 -800 gm
- (d) 100-200 gm

**Q308.**

Total number of bones In man is

- (a) 206
- (b)



- (c) 300  
(d) 306

**Q309.**

Which of the following Snakes killed for its beautiful skin has been declared an endangered species ?

- (a) Python  
(b) King Cobra  
(c) Russel Viper  
(d) Krait

**Q310.**

The colour of the eye depends upon the pigment present In

- (a) cornea  
(b) iris  
(c) rods  
(d) cones

**Q311.**

The ability of the eye to see in the dark is due to the production of a purple pigment known as

- (a) Carotene  
(b) Rhodopsin  
(c) Iodopsin  
(d) Retinene

**Q312.**

The vitamin most readily destroyed by heat is

- (a) Riboflavin  
(b) Ascorbic acid  
(c) Tocopherol  
(d) Thiamine

**Q313.**

Which one of the following is not a vaccine ?

- (a) BCG  
(b) Anti-rabies  
(c) Polio vaccine  
(d) Progesterone

**Q314.**

The disease that is caused by virus is

- (a) Typhoid  
(b) Cholera  
(c) Common Cold  
(d) Tetanus

**Q315.**

The locomotory organ of Amoeba is

- (a) Pseudopodia  
(b) Parapodia  
(c) Flagella  
(d) Cilia

**Q316.**

The number of chromosomes present in normal human being are

- (a) 23  
(b) 46  
(c) 22

(d) 48

**Q317.**

An instrument for measuring blood pressure is called

- (a) Barometer  
(b) Spirometer  
(c) Sphygmomanometer  
(d) Haemocytometer

**Q318.**

The term RH factor refers to

- (a) Rhesus factor  
(b) Rheumatoid factor  
(c) Renal factor  
(d) Rhombic factor

**Q319.**

The discoverer of penicillin was

- (a) Lord Lister  
(b) Alexander Fleming  
(c) Karl Landsteiner  
(d) Walter Reed

**Q320.**

370 Blood groups were discovered by

- (a) Altmann  
(b) Landsteiner  
(c) Losch  
(d) Ronald Ross

**Q321.**

The animal which can tolerate more summer heat is

- (a) Buffalo  
(b) Cow  
(c) Goat  
(d) Donkey

**Q322.**

According to Darwin's Theory of Evolution Jong necks in giraffes

- (a) arose because of constant attempt to reach leaves on tall trees generation after generation  
(b) do not give them any special advantage and is just an accident  
(c) give them advantage in finding food because of which those with long necks survive  
(d) is a result of the special weather prevalent in African Savannah

**Q323.**

Rickets is the deficiency disease of Vitamin D in which the affected part is the

- (a) skin  
(b) hair  
(c) bone  
(d) blood

**Q324.**

The dried flower buds are used as a spice in

- (a) Cardamom  
(b) Cinnamon



- (c) Cloves
- (d) Saffron

**Q325.**

The tissue in man where no cell division occurs after birth is

- (a) skeletal
- (b) nerves
- (c) connective
- (d) germinal

**Q326.**

DNA fingerprinting is used to identify the

- (a) Parents
- (b) Rapist
- (c) Thieves
- (d) All the above

**Q327.**

The normal cholesterol level in human blood is

- (a) 80 - 120 mg%
- (b) 120 - 140 mg%
- (c) 140 - 180 mg%
- (d) 180 - 200 mg%

**Q328.**

Which of the following are warmblooded animals ?

- (a) Whales
- (b) Whale Sharks
- (c) Alytes
- (d) Draco

**Q329.**

Syrinx is the voice box in

- (a) Amphibians
- (b) Reptiles
- (c) Birds
- (d) Mammals

**Q330.**

In a food chain the solar energy utilized by plants is only

- (a) 10 per cent
- (b) 1 per cent
- (c) 1 per cent
- (d) 01 per cent

**Q331.**

Which is the largest living bird on Earth?

- (a) Emu -
- (b) Ostrich
- (c) Albatross
- (d) Siberian Crane

**Q332.**

383 In coriander the useful parts are

- (a) roots & leaves
- (b) leaves & flowers
- (c) leaves & dried fruits
- (d) flowers & dried fruits

**Q333.**

Which plant is called Herbal Indian Doctor ?

- (a) Amla
- (b) Mango
- (c) Neem
- (d) Tulsi

**Q334.**

The PH of human blood is

- (a) 2
- (b) 8
- (c) 6
- (d) 4

**Q335.**

Which amongst the following is largest endocrine gland in the body?

- (a) Thyroid
- (b) Parathyroid
- (c) Adrenal
- (d) Pituitary

**Q336.**

Which amongst the following is the largest mammal ?

- (a) Elephant
- (b) Whale
- (c) Dinosaur
- (d) Rhinoceros

**Q337.**

Which part becomes modified as the tusk of elephant ?

- (a) Canine
- (b) Premolar
- (c) Second incisor
- (d) Molar

**Q338.**

The noble gas used for the treatment of cancer is

- (a) Helium
- (b) Argon
- (c) Krypton
- (d) Radon

**Q339.**

BT seed is associated with

- (a) Rice
- (b) Wheat
- (c) Cotton
- (d) Oil seeds

**Q340.**

Bark of this tree is used as a condiment:

- (a) Cinnamon
- (b) Clove
- (c) Neem
- (d) Palm

**Q341.**

Which of the following is the smallest bird?

- (a) Pigeon
- (b) Parrot



- (c) Hummingbird
- (d) House sparrow

**Q342.**

White lung disease is prevalent among the workers of:

- (a) paper industry
- (b) Cement industry
- (c) Cotton industry
- (d) Pesticide Industry

**Q343.**

Iodoform Is used as an :

- (a) antipyretic
- (b) analgesic
- (c) antiseptic
- (d) anesthetic

**Q344.**

The Optimum dissolved oxygen level (in mg/litre) required for survival Of aquatic organisms is :

- (a) 4-6
- (b) 2-4
- (c) 8-10
- (d) 12- 16

**Q345.**

An example of false fruit is

- (a) Apple
- (b) Guava
- (c) Mango
- (d) Tomato

**Q346.**

399 Normal fasting blood sugar level per 100 ml. of blood in man is

- (a) 30 - 50 mg
- (b) 50 - 70 mg
- (c) 80-100 mg
- (d) 120 -140 mg

**Q347.**

The vector of disease sleeping sickness is

- (a) sand-fly
- (b) house-fly
- (c) fruit-fly
- (d) tsetse fly

**Q348.**

For how many years have the dinosaurs been extinct ?

- (a) About 25 million years
- (b) About 65 million years
- (c) About 35 million years
- (d) About 45 million years

**Q349.**

Which phenomenon do bats or dolphins use to find prey predators or obstacles ?

- (a) Refraction of sound
- (b) Formation of beats
- (c) Scattering of sound
- (d) Echo location

**Q350.**

The tallest and thickest type of grass is

- (a) Alfalfa
- (b) Fodder
- (c) Bamboo
- (d) Lichens

**Q351.**

The process of preventing the birds from flying is called

- (a) brailing
- (b) debeaking
- (c) dubbing
- (d) pecking

**Q352.**

Veins seen in the leaves serve the function of

- (a) Photosynthesis
- (b) Transpiration
- (c) Storage
- (d) Conduction

**Q353.**

The edible part of Cabbage is

- (a) fruit
- (b) condensed flower
- (c) vegetative bud
- (d) inflorescence

**Q354.**

Which of the following processes are associated with plants during dark period?

- (a) Photosynthesis and respiration
- (b) Respiration and transpiration
- (c) Transpiration and conduction
- (d) Conduction and respiration

**Q355.**

Goitre is caused by the deficiency of

- (a) Iodine
- (b) Chlorine
- (c) Sodium
- (d) Calcium

**Q356.**

The total number of biosphere reserves present In India are

- (a) eleven
- (b) ten
- (c) fifteen
- (d) twelve

**Q357.**

The green colour of the leaves is due to the presence of

- (a) Proteins
- (b) Lipids
- (c) Chlorophyll
- (d) Carbohydrates

**Q358.**

The edible part of an onion is



- (a) Modified root
- (b) Aerial flower
- (c) Aerial stem.
- (d) Fleshy leaves y

**Q359.**

To which group of blood an universal recipient belongs?

- (a) A group
- (b) B group
- (c) O group
- (d) AB group

**Q360.**

The normal body temperature of human beings is

- (a) 4 °F
- (b) 4 °C
- (c) 4 °F
- (d) 4 °C

**Q361.**

Columba livia is the scientific name of

- (a) Pigeon
- (b) Snake
- (c) Rabbit
- (d) Shark

**Q362.**

Bones are pneumatic in

- (a) Fishes
- (b) Amphibians
- (c) Reptiles
- (d) Birds

**Q363.**

An insect catching plant is :

- (a) Australian Acacia
- (b) Smilax
- (c) Nepenthes
- (d) Nerium

**Q364.**

The method not used as a Biological control is:

- (a) Use of predators of a pest.
- (b) Pheromone traps
- (c) Use of pesticides
- (d) Use of neem extracts

**Q365.**

Wisdom teeth is the :

- (a) 1st molar teeth
- (b) 2nd molar teeth
- (c) 3rd molar teeth
- (d) 4th molar teeth

**Q366.**

The tusk of elephant is an enormously enlarged :

- (a) upper incisor .
- (b) upper canine
- (c) lower canine
- (d) lower incisor

**Q367.**

Scurvy is caused due to the deficiency of :

- (a) Vitamin-D
- (b) Vitamin-K
- (c) Vitamin-E
- (d) Vitamin-C

**Q368.**

Male (Anopheles) mosquito feeds on :

- (a) Blood of man
- (b) Nectar of flower
- (c) Blood of Culex
- (d) Blood of Leech

**Q369.**

Growth of the baby in the uterus is found using

- (a) X-rays
- (b) Gamma rays
- (c) Ultra sound
- (d) Ultraviolet rays

**Q370.**

Besides ear ossicles the cavity of the middle ear in humans contains.

- (a) air
- (b) endolymph
- (c) perilymph
- (d) otoconia

**Q371.**

The percentage of water content in the human blood plasma normally varies from

- (a) 60-64
- (b) 70-75
- (c) 80-82
- (d) 91-92

**Q372.**

"Sodium Pump" operates in

- (a) Muscle contraction
- (b) Heartbeat
- (c) Nerve impulse
- (d) None of the above

**Q373.**

The element which is rich in most leafy vegetables is

- (a) Phosphorous
- (b) Zinc
- (c) Iron
- (d) Calcium

**Q374.**

Polio is caused by

- (a) Bacterium
- (b) Fungus
- (c) Virus
- (d) Insect

**Q375.**

The functions of pacemaker is

- (a) Regulation of Urine formation



- (b) Regulation of digestion
- (c) Initiation of heart beat
- (d) Initiation of respiration

**Q376.**

The best method of disposal of garbage is

- (a) Vermiculture
- (b) Incineration
- (c) Land filling
- (d) Burning -

**Q377.**

In Scorpion poison is present in the

- (a) leg
- (b) hand
- (c) mouth
- (d) sting

**Q378.**

What is the common in AIDS mumps and poliomyelitis?

- (a) Young children get affected most readily
- (b) No effective vaccine has yet been developed for them
- (c) These are caused by viruses
- (d) Their germs can be transmitted through blood transfusions

**Q379.**

Which enzyme converts proteins?

- (a) Pepsin
- (b) Trypsin ?
- (c) Erepsin
- (d) Enterokinase

**Q380.**

The deficiency of iron in man result in

- (a) Anaemia
- (b) Night blindness
- (c) Scurvy
- (d) Rickets

**Q381.**

Protein which renders a cell less susceptible to attack by viruses is called

- (a) Actomyosin
- (b) Chloromycetin
- (c) Hybridomai
- (d) Infeon

**Q382.**

Haemophilia is mostly associated with

- (a) Labourers
- (b) Royal families
- (c) Miners
- (d) Sportsmen

**Q383.**

Approximately how many times each day do our heart valves open and close normally?

- (a) 10000 times
- (b) 100000 times
- (c) 150000 times

(d) 200000 times

**Q384.**

Normal blood pressure of man is

- (a) 80/120 mm Hg
- (b) 90/140 mm Hg
- (c) 120/160 mm Hg
- (d) 85/120 mm Hg

**Q385.**

Sugarcane plants are usually propagated by vegetative means because

- (a) they do not produce seeds
- (b) it is possible to maintain genetic quality
- (c) the incidence of disease may be reduced
- (d).

**Q386.**

The pigment involved in photosynthetic activity is

- (a) anthocyanin
- (b) fuexanthin
- (c) carotenoid
- (d) chlorophyll

**Q387.**

Free-living nitrogen fixing microorganisms are

- (a) Rhizobia
- (b) Soil fungi
- (c) Vesicular arbuscular mycor-rhiza
- (d) Blue green algae

**Q388.**

Vegetable oils are converted into solid fat (ghee) by

- (a) Hydrolysis
- (b) Addition of agar
- (c) Oxidation using air and a catalyst
- (d) Hydrogenation.

**Q389.**

A drug which helps in controlling fever is

- (a) Ibuprofen
- (b) Penicillin
- (c) Paracetamol
- (d) Corticosteroid

**Q390.**

Identify the correct statement with respect to Biogas.

- (a) Mixture of gases from volcanoes
- (b) Gas produced from certain crude oil wells v
- (c) Gas produced by incomplete combustion of biomass
- (d) Gas produced by fermentation of biomass

**Q391.**

Aspartame is the name of a product used by diabetic patients as a sweetening agent. It belongs to the class of

- (a) Carbohydrates
- (b) Peptides
- (c) Polyhydric alcohols
- (d) Alkaloids

**Q392.**



Which one of the following four secretions is different from the remaining three in regard to its mode of transport from the source gland to the site of action?

- (a) Saliva
- (b) Sweat
- (c) Bile
- (d) Epinephrine

**Q393.**

Hemoglobin is a

- (d) Ovary

**Q395.**

Alfalfa is the name of a kind of

- (a) Forest
- (b) Crop
- (c) Grass
- (d) None of these

**Q396.**

Which cells in our body have the least regenerative power?

- (a) Brain cells
- (b) Muscle cells
- (c) Bone cells
- (d) Liver cells

**Q397.**

Which one of the following pairs is correctly matched?

- (a) Tetanus - BCG
- (b) Tuberculosis - ATS
- (c) Malaria - Chloroquin
- (d) Scurvy - Thiamine

**Q398.**

The carbon dioxide content in the air that we exhale is about

- (a) 4%
- (b) 8%
- (c) 12%
- (d) 16%

**Q399.**

Blood pressure is controlled by

- (a) Adrenal gland
- (b) Thyroid gland
- (c) Thymus
- (d) Corpus luteum

**Q400.**

The total number of car bones is

- (a) 2
- (b) 4
- (c) 6
- (d) 8

**ANSWERS :**

- |      |      |      |
|------|------|------|
| 1 c  | 2 b  | 3 d  |
| 4 b  | 5 c  | 6 c  |
| 7 a  | 8 a  | 9 a  |
| 10 a | 11 c | 12 d |

- (a) protein
- (b) carbohydrate
- (c) fat
- (d) vitamin

**Q394.**

Birds usually have a single:

- (a) Kidney
- (b) Lung
- (c) Testis

- |       |       |       |
|-------|-------|-------|
| 13 b  | 14 c  | 15 c  |
| 16 d  | 17 a  | 18 c  |
| 19 b  | 20 a  | 21 d  |
| 22 c  | 23 d  | 24 c  |
| 25 c  | 26 c  | 27 a  |
| 28 c  | 29 c  | 30 a  |
| 31 a  | 32 a  | 33 b  |
| 34 a  | 35 b  | 36 c  |
| 37 a  | 38 b  | 39 a  |
| 40 d  | 41 c  | 42 a  |
| 43 b  | 44 a  | 45 a  |
| 46 c  | 47 a  | 48 b  |
| 49 a  | 50 d  | 51 a  |
| 52 b  | 53 d  | 54 b  |
| 55 b  | 56 b  | 57 c  |
| 58 d  | 59 a  | 60 b  |
| 61 a  | 62 c  | 63 a  |
| 64 b  | 65 a  | 66 c  |
| 67 c  | 68 c  | 69 d  |
| 70 d  | 71 d  | 72 d  |
| 73 a  | 74 d  | 75 b  |
| 76 c  | 77 d  | 78 a  |
| 79 b  | 80 c  | 81 b  |
| 82 b  | 83 c  | 84 d  |
| 85 b  | 86 b  | 87 c  |
| 88 d  | 89 a  | 90 b  |
| 91 c  | 92 d  | 93 a  |
| 94 a  | 95 d  | 96 d  |
| 97 a  | 98 a  | 99 b  |
| 100 c | 101 c | 102 c |
| 103 b | 104 a | 105 b |
| 106 d | 107 d | 108 d |
| 109 a | 110 d | 111 c |
| 112 d | 113 b | 114 d |
| 115 a | 116 c | 117 d |
| 118 c | 119 a | 120 a |
| 121 a | 122 d | 123 c |
| 124 a | 125 c | 126 d |
| 127 c | 128 d | 129 b |
| 130 d | 131 d | 132 b |
| 133 d | 134 d | 135 c |
| 136 a | 137 b | 138 c |
| 139 c | 140 c | 141 d |
| 142 c | 143 a | 144 d |



145 c	146 b	147 c	292 a	293 c	294 a
148 d	149 b	150 a	295 b	296 c	297 a
151 d	152 d	153 a	298 a	299 b	300 b
154 b	155 c	156 c	301 a	302 c	303 d
157 b	158 a	159 c	304 b	305 b	306 c
160 b	161 b	162 b	307 a	308 a	309 c
163 c	164 c	165 c	310 b	311 d	312 b
166 a	167 b	168 a	313 d	314 c	315 a
169 b	170 b	171 c	316 b	317 c	318 a
172 b	173 b	174 d	319 b	320 b	321 c
175 c	176 d	177 d	322 a	323 c	324 c
178 a	179 c	180 b	325 b	326 d	327 d
181 c	182 a	183 a	328 a	329 c	330 c
184 c	185 b	186 b	331 b	332 c	333 a
187 d	188 c	189 a	334 d	335 a	336 b
190 b	191 a	192 b	337 c	338 d	339 c
193 a	194 d	195 d	340 a	341 c	342 a
196 a	197 d	198 b	343 c	344 a	345 a
199 a	200 c	201 d	346 c	347 d	348 b
202 d	203 a	204 d	349 d	350 c	351 a
205 b	206 d	207 a	352 d	353 c	354 d
208 d	209 a	210 a	355 a	356 b	357 c
211 c	212 c	213 b	358 d	359 d	360 c
214 b	215 b	216 a	361 a	362 d	363 c
217 d	218 a	219 d	364 c	365 c	366 a
220 b	221 c	222 d	367 d	368 b	369 c
223 b	224 a	225 d	370 a	371 d	372 c
226 b	227 a	228 b	373 c	374 c	375 c
229 b	230 d	231 b	376 c	377 d	378 c
232 b	233 c	234 d	379 b	380 a	381 d
235 b	236 a	237 a	382 b	383 b	384 a
238 d	239 d	240 b	385 a	386 d	387 a
241 a	242 c	243 d	388 d	389 c	390 d
244 c	245 c	246 b	391 b	392 c	393 a
247 c	248 c	249 a	394 d	395 b	396 a
250 c	251 d	252 a	397 c	398 a	399 a
253 a	254 b	255 b	400 c		
256 c	257 c	258 b			
259 b	260 a	261 c			
262 b	263 c	264 c			
265 c	266 a	267 a			
268 b	269 c	270 c			
271 b	272 a	273 c			
274 b	275 d	276 a			
277 c	278 a	279 b			
280 a	281 d	282 b			
283 b	284 c	285 c			
286 c	287 b	288 c			
289 c	290 d	291 b			