

125 Questions

Que. 1 The structure of ribosomes consist of

1. D.N.A. and proteins
2. R.N.A. and proteins
3. R.N.A. and amino acids
4. R.N.A. and D.N.A.

Testbook Solution Correct Option - 2

Que. 2 Polytene chromosome is first observed in

1. Housefly
2. Honeybee
3. Drosophila
4. None of these

Testbook Solution Correct Option - 4

Que. 3 Which hormone is secreted by the testis?

1. Testosterone
2. Progesterone
3. T.S.H.
4. Insulin

Testbook Solution Correct Option - 1

Que. 4 Islets of Langerhans are

1. Modified lymph glands
2. Specialized areas in pituitary
3. Small tubules in kidneys
4. Ductless glands in pancreas

Testbook Solution Correct Option - 4

Que. 5 Which one of the following is a female sex hormone?

1. Androgens
2. Progesterone
3. Estradiol
4. All of these

Testbook Solution Correct Option - 2

Que. 6 'Cristae' helps in

1. Photosynthesis
2. Respiration
3. Photo-oxidation
4. Transpiration

Testbook Solution Correct Option - 2

Que. 7 Stage of the life history of the liver fluke which infects the primary host is

1. Redia
2. Cercaria
3. Miracidium
4. Metacercaria

Testbook Solution Correct Option - 4

Que. 8 Which one of the following is a bisexual animal?

1. Leech
2. Ascaris
3. Honeybee
4. Housefly

Testbook Solution Correct Option - 1

Que. 9 Testes occur in earthworm in the segments

1. 11 and 12
2. 12 and 13
3. 14 and 15
4. 10 and 11

Testbook Solution Correct Option - 4

Que. 10 Metamorphosis in cockroach is regulated mainly by

1. Corpora cardiaca
2. Prothoracic gland
3. Corpora allata
4. Brain

Testbook Solution Correct Option - 3

Que. 11 In which of the following National Parks 'Lion' is being preserved?

1. Dudhwa
2. Kaziranga
3. Corbett
4. Gir

Testbook Solution Correct Option - 4

Que. 12 Which of the following glands is responsible for the production of Follicle Stimulating Hormone (FSH)?

1. Hypothalamus
2. Anterior pituitary gland
3. Posterior pituitary gland
4. Middle lobe of pituitary gland

Testbook Solution Correct Option - 2

Que. 13 Pyruvic acid before combining with oxaloacetic acid of citric acid cycle becomes

1. Lactic acid
2. Aceto-acetic
3. Cis-acotinic acid
4. Acetyl Co-A

Testbook Solution Correct Option - 4

Que. 14 Regeneration in hydra occurs by

1. Epimorphosis
2. Morphogenesis
3. Morpholaxis
4. Epimorphosis and morphogenesis

Testbook Solution Correct Option - 3

Que. 15 First mammal appeared in

1. Permian period
2. Triassic period
3. Jurassic period
4. Cretaceous period

Testbook Solution Correct Option - 2

Que. 16 The second cranial nerve of frog is

1. Trochlear nerve
2. Optic Nerve
3. Auditory / Acoustic
4. Vagus Nerve

Testbook Solution Correct Option - 2

Que. 17 'Fertilizin' is a chemical substance produced from

1. Acrosome
2. Polar bodies
3. Mature eggs
4. Middle part of sperm

Testbook Solution Correct Option - 3

Que. 18 The book 'Origin of species' was published in

1. 1809
2. 1858
3. 1956
4. 1859

Testbook Solution Correct Option - 4

Que. 19 According to Neo-Darwinism which one is responsible for evolution of organisms?

1. Mutation
2. Natural selection

3. Both of these
4. None of these

Testbook Solution Correct Option - 3

Que. 20 Which of the following foetal membranes functions as embryonic urinary bladder?

1. Allantois
2. Yolk sac
3. Amnion
4. Chorion

Testbook Solution Correct Option - 1

Que. 21 A Chitinous exoskeleton occurs in

1. Birds
2. Fishes
3. Insects
4. Mammalia

Testbook Solution Correct Option - 3

Que. 22 Which one of the following is non-parasitic animal?

1. Mosquito
2. Tapeworm
3. Sea anemone
4. Leech

Testbook Solution Correct Option - 3

Que. 23 Conjugation in paramecium involves exchange of

1. Micronuclei
2. Meganuclei
3. Both of these
4. None of these

Testbook Solution Correct Option - 1

Que. 24 Main excretory product in birds and reptiles is

1. Urea
2. Uric acid
3. Ammonia
4. Guanine

Testbook Solution Correct Option - 2

Que. 25 Mammalian kidneys serve to excrete

1. excess salts, urea and excess water
2. excess salts, water and amino acids
3. excess water, urea and amino acids
4. none of these

Testbook Solution Correct Option - 1

Que. 26 Which one of the following is an egg-laying mammal?

1. Mongoose
2. Platypus
3. Whale
4. Mole

Testbook Solution Correct Option - 2

Que. 27 A coral reef lying close to the shore of some volcanic Islands is known as

1. Atoll
2. Coral island
3. Barrier reef
4. Fringing reef

Testbook Solution Correct Option - 4

Que. 28 Flame cells are

1. Reproductive
2. Excretory
3. Sensory
4. Inflammatory

Testbook Solution Correct Option - 2

Que. 29 Ephyra larva is found in the life cycle of

1. Aurelia
2. Obelia
3. Physalia
4. Adamsia

Testbook Solution Correct Option - 1

Que. 30 Number of peristome teeth in capsule of Funaria is

1. 8
2. 16
3. 32
4. 64

Testbook Solution Correct Option - 3

Que. 31 Polymorphism is seen in

1. Coelenterata
2. Annelida
3. Arthropoda
4. Echinodermata

Testbook Solution Correct Option - 1

Que. 32 Syncytial epidermis is found in

1. Planaria
2. Ascaris
3. Earthworm
4. Starfish

Testbook Solution Correct Option - 2

Que. 33 Java man was discovered by

1. W.C. Pei
2. Eugene Dubois
3. Darwin
4. Robert Brown

Testbook Solution Correct Option - 2

Que. 34 Metabolic water is a by-product of the process of

1. Digestion
2. Excretion
3. Muscle activity
4. Tissue respiration

Testbook Solution Correct Option - 4

Que. 35 Which of the following occurs in mitochondria?

1. Glycolysis
2. Glycogenolysis
3. Tricarboxylic acid cycle
4. Histolysis of tissues

Testbook Solution Correct Option - 3

Que. 36 Sporocarp of Marsilea is

1. Heterosporous
2. Bisporous
3. Homosporous
4. Non-sporous

Testbook Solution Correct Option - 1

Que. 37 A stele without pith is called

1. Meristele
2. Protostele
3. Eustele
4. Dictyostele

Testbook Solution Correct Option - 2

Que. 38 Which of the following is an aquatic pteridophyte?

1. Lycopodium

2. Azolla
3. Equisetum
4. Pteris

Testbook Solution Correct Option - 2

Que. 39 Which of the following pteridophytes shows secondary growth?

1. Lycopodium
2. Isoetes
3. Marsilea
4. Pteris

Testbook Solution Correct Option - 2

Que. 40 Professor D.D. Pant has divided Gymnosperms into

1. 4 divisions
2. 3 divisions
3. 6 divisions
4. 8 divisions

Testbook Solution Correct Option - 2

Que. 41 The biggest bryophyte is

1. Riccia
2. Dawsonia
3. Anthoceros
4. Marchantia

Testbook Solution Correct Option - 2

Que. 42 In which stem is protosteles found?

1. Pteris
2. Lycopodium
3. Marsilea
4. Pteridium

Testbook Solution Correct Option - 2

Que. 43 Pteridophytes are known as

1. Vascular cryptogams
2. Phanerogams
3. Cryptogams
4. Amphibians of plant kingdom

Testbook Solution Correct Option - 1

Que. 44 Lycopodium exhibits

1. Heterospory
2. Homospory
3. Both heterospory and Homospory

4. None of these

Testbook Solution Correct Option - 2

Que. 45 Trabeculae present in the stem of Selaginella is

1. Endodermis
2. Epidermis
3. Pericycle
4. Cortex

Testbook Solution Correct Option - 1

Que. 46 Which is maximum in amount found in chloroplast?

1. Pyruvic carboxylase
2. Hexokinase
3. RUBP carboxylase
4. None of these

Testbook Solution Correct Option - 3

Que. 47 Which plant yields fibre, oil and food for animals?

1. Sunflower
2. Jute
3. Cotton
4. Sunhemp

Testbook Solution Correct Option - 3

Que. 48 Wheat grain is a / an

1. Fruit
2. Seed
3. Embryo
4. Glume

Testbook Solution Correct Option - 1

Que. 49 Gossypium hirsutum is

1. old world crop and diploid
2. old world crop and tetraploid
3. new world crop and diploid
4. new world crop and tetraploid

Testbook Solution Correct Option - 4

Que. 50 The concept of 'Totipotency' was given by

1. Steward
2. Hippocrates
3. Haberlandt
4. Darwin

Testbook Solution Correct Option - 3

Que. 51 Cycas revoluta is widely grown as

1. Medicinal plant
2. Ornamental plant
3. Oil yielding plant
4. Timber yielding plant

Testbook Solution Correct Option - 2

Que. 52 Inverted omega-shaped ring of vascular bundles is found in

1. Rachis of Cycas
2. Leaflet of Cycas
3. Root of Cycas
4. Leaves of Pinus

Testbook Solution Correct Option - 1

Que. 53 In Pinus root, shape of xylem is

1. V shaped
2. Y shaped
3. C shaped
4. All of these

Testbook Solution Correct Option - 2

Que. 54 The type of ovule of Pinus is

1. Anatropous
2. Orthotropous
3. Campylotropous
4. Circinotropous

Testbook Solution Correct Option - 2

Que. 55 Vegetative propagation is most common in

1. Fern sporophyte
2. Fern gametophyte
3. Riccia gametophyte
4. Riccia sporophyte

Testbook Solution Correct Option - 3

Que. 56 Mitosis and meiosis always differ in regard to the presence of

1. Chromatids
2. Homologous chromosome
3. Bivalents
4. Centromeres

Testbook Solution Correct Option - 3

Que. 57 A sedimentary type of biogeochemical cycle is

1. Carbon cycle
2. Hydrogen cycle
3. Nitrogen cycle
4. Sulphur cycle

Testbook Solution Correct Option - 4

Que. 58 In which stage of meiosis does synapsis take place?

1. Leptotene
2. Pachytene
3. Zygotene
4. Metaphase I

Testbook Solution Correct Option - 3

Que. 59 Number of oxygen molecules required during glycolysis of one glucose molecule is

1. zero
2. one
3. six
4. four

Testbook Solution Correct Option - 1

Que. 60 What average percentage of radiated energy of sun does an active produce store by means of photosynthesis?

1. 0.1
2. 1.0
3. 10
4. 20

Testbook Solution Correct Option - 1

Que. 61 Petroplants were first recognized by

1. Lamarck
2. Darwin
3. Hatch and Slack
4. M. Calvin

Testbook Solution Correct Option - 4

Que. 62 Endosperm in coconut is

1. cellular
2. nuclear
3. both cellular and nuclear
4. neither cellular nor nuclear

Testbook Solution Correct Option - 3

Que. 63 Herkogamy is found in

1. Cotton

2. Marigold
3. Calotropis
4. Bajra

Testbook Solution Correct Option - 3

Que. 64 Crassinucellate ovule shows

1. Absence of nucellus
2. Well developed nucellus
3. Partly developed nucellus
4. III developed nucellus

Testbook Solution Correct Option - 2

Que. 65 The frond is a

1. Bud
2. Leaf
3. Petiole
4. Thorn

Testbook Solution Correct Option - 2

Que. 66 The insect which lays eggs in water is

1. Butterfly
2. Housefly
3. Dragon fly
4. Sand fly

Testbook Solution Correct Option - 3

Que. 67 Which of the following snakes is not poisonous?

1. Cobra
2. Python
3. Krait
4. Viper

Testbook Solution Correct Option - 2

Que. 68 In bees, 'waggle' dance is meant for

1. Reproduction
2. Communication
3. Visiting the source of food
4. Killing foreign beings

Testbook Solution Correct Option - 3

Que. 69 Bubonic plague is transmitted through the bite of

1. Xenopsylla cheopis
2. Pediculus humanus
3. Glossina palpalis

4. Aedes aegypti

Testbook Solution Correct Option - 1

Que. 70 Kala-azar and 'oriented sore' are diseases spread by

1. Sand fly
2. Housefly
3. Dragon fly
4. Grasshopper

Testbook Solution Correct Option - 1

Que. 71 Which one of the following parts is injured if memory of a man weakens?

1. Medulla
2. Cerebellum
3. Cerebrum
4. Hypothalamus

Testbook Solution Correct Option - 3

Que. 72 Reflex action is governed by

1. Central nervous system
2. Autonomic nervous system
3. Sympathetic nervous system
4. None of these

Testbook Solution Correct Option - 1

Que. 73 Contractile vacuole in protozoans mainly serves for

1. Digestion
2. Excretion
3. Osmoregulation
4. Water absorption

Testbook Solution Correct Option - 3

Que. 74 'Elephantiasis' or 'Filariasis' disease is transmitted by

1. Housefly
2. Mosquito
3. Bedbug
4. Fruitfly

Testbook Solution Correct Option - 2

Que. 75 Poisonous substance found in nematocysts of hydra is

1. Hyponotoxin
2. Haematin
3. Heparin
4. Thrombin

Testbook Solution Correct Option - 1

Que. 76 Holoblastic cleavage is not found in

1. Amphioxus
2. Frog
3. Chick
4. Chick and Amphioxus

Testbook Solution Correct Option - 3

Que. 77 Embden-Meyerhof pathway represents

1. Stepwise degradation of glucose to pyruvic acid
2. Formation of glucose from non-carbohydrate
3. Conversion of acetaldehyde to ethyl alcohol
4. Beta oxidation

Testbook Solution Correct Option - 1

Que. 78 Lysosomes are produced by

1. Mitochondria
2. Centriole
3. Plasma membrane
4. Golgi apparatus

Testbook Solution Correct Option - 4

Que. 79 Enzyme enhances the rate of a chemical reaction by

1. providing optimum pH
2. raising the temperature
3. lowering activation energy
4. producing ATP

Testbook Solution Correct Option - 3

Que. 80 If spleen is removed, the platelet count will

1. decrease
2. increase
3. remain unaffected
4. be reduced to zero

Testbook Solution Correct Option - 3

Que. 81 Adrenaline hormone increases

1. heartbeat
2. blood pressure
3. both of these
4. None of these

Testbook Solution Correct Option - 3

Que. 82 Homo erectus differs from cro-Magnon man in

1. having protruded jaws
2. having receding jaws
3. being able to draw pictures of animals
4. all of these

Testbook Solution Correct Option - 2

Que. 83 Yolk plug forms during

1. Gastrulation
2. Neurulation
3. Blastula formation
4. Morula formation

Testbook Solution Correct Option - 1

Que. 84 Which of the following statements is correct?

1. Brain is mesodermal
2. Skeleton is mesodermal
3. Liver is ectodermal
4. None of these

Testbook Solution Correct Option - 2

Que. 85 In frog, glottis is controlled by the muscles of

1. Vocal cords
2. Sternum
3. Arytenoid cartilage
4. Vocal cords and arytenoid cartilage

Testbook Solution Correct Option - 3

Que. 86 Which one of the following vertebrate tissues would be an excellent source of collagen?

1. Liver
2. Muscle
3. Tendon
4. Nerve

Testbook Solution Correct Option - 3

Que. 87 The term 'Biology' was introduced by

1. Aristotle
2. Lamarck
3. Darwin
4. Linnaeus

Testbook Solution Correct Option - 2

Que. 88 Tubercular and capitular heads are parts of the

1. Vertebra
2. Ribs

3. Radio-ulna
4. Tibio-fibula

Testbook Solution Correct Option - 2

Que. 89 Which of the following is the largest chromosome?

1. X-chromosome
2. Polytene chromosome
3. Multibanded chromosome
4. Lampbrush chromosome

Testbook Solution Correct Option - 4

Que. 90 Which disease is caused by *Leishmania donovani*?

1. Sleeping sickness
2. Oriental sore
3. Kala-azar
4. Dysentery

Testbook Solution Correct Option - 3

Que. 91 Open type blood vascular system is found in

1. Earthworm
2. Lizard
3. Cockroach
4. Toad

Testbook Solution Correct Option - 3

Que. 92 If thymus gland is removed from the new-born baby, the cells which will not form are

1. Monocytes
2. B-Lymphocytes
3. T-Lymphocytes
4. Eosinophils

Testbook Solution Correct Option - 3

Que. 93 *Taenia* takes its food only through

1. Mouth
2. Suckers
3. Body wall
4. Suckers and mouth both

Testbook Solution Correct Option - 3

Que. 94 Silk glands are modified

1. Salivary glands
2. Digestive glands
3. Excretory organs
4. Endocrine glands

Testbook Solution Correct Option - 1

Que. 95 Hormone that causes the milk ejection from the breasts when the baby begins to suckle is called

1. Prolactin
2. Estrogen
3. Progesterone
4. Oxytocin

Testbook Solution Correct Option - 4

Que. 96 Which of the following is found in aerial stem of Equisetum?

1. Ridges only
2. Furrows only
3. Both Ridges and Furrows
4. None of these

Testbook Solution Correct Option - 1

Que. 97 Carinal canals are found in the stem of Equisetum in

1. Vascular bundle
2. Cortex
3. Pith
4. All of these

Testbook Solution Correct Option - 1

Que. 98 Which one is Xerophyte?

1. Marsilea
2. Azolla
3. Salvinia
4. Equisetum

Testbook Solution Correct Option - 4

Que. 99 'The title club-moss' is the common name for

1. Selaginella
2. Lycopodium
3. Equisetum
4. Marsilea

Testbook Solution Correct Option - 2

Que. 100 Which one of the following is an amphibious plant?

1. Lycopodium
2. Selaginella
3. Marsilea
4. Equisetum

Testbook Solution Correct Option - 3

Que. 101 Multicellular rhizoids with oblique septa are found in

1. Anthoceros
2. Funaria
3. Riccia
4. Marchantia

Testbook Solution Correct Option - 2

Que. 102 Which of the following species of Riccia is aquatic?

1. R. discolour
2. R. fluitance
3. R. crystallina
4. R. reticulata

Testbook Solution Correct Option - 2

Que. 103 Which of the following is dioecious species?

1. R. crystallina
2. R. glauca
3. R. pathankolensis
4. R. himalayensis

Testbook Solution Correct Option - 4

Que. 104 Which part of Funaria is haploid?

1. Calyptra
2. Operculum
3. Columella
4. Annulus

Testbook Solution Correct Option - 1

Que. 105 Antherozoids of Riccia are

1. Monoflagellate
2. Biflagellate
3. Quadriflagellate
4. Multiflagellate

Testbook Solution Correct Option - 2

Que. 106 A pteridophyte which fixes nitrogen is

1. Azolla
2. salvinia
3. Pteris
4. Selaginella

Testbook Solution Correct Option - 1

Que. 107 'Chilgoza' a dry fruit is a species of

1. Cycas

2. Pinus
3. Mango
4. Gymnosperm

Testbook Solution Correct Option - 2

Que. 108 The microsporangium in *Cycas microsporophyllus* is present

1. on adaxial side
2. on abaxial side
3. along the margins
4. in the axil

Testbook Solution Correct Option - 2

Que. 109 R.Q. stands for

1. effect of temperature
2. nature of respiratory
3. amount of water released
4. type of alcohol formed

Testbook Solution Correct Option - 2

Que. 110 Which theory explains ATP synthesis in chloroplasts and mitochondria?

1. Lipman and Lohmann theory
2. Fisher's Lock and Key theory
3. Koshland's induced fit theory
4. Mitchell's chemi-osmotic theory

Testbook Solution Correct Option - 4

Que. 111 The wood of *Pinus* is

1. Pycnoxylic
2. Manoxylic
3. Both Pycnoxylic and Manoxylic
4. None of these

Testbook Solution Correct Option - 1

Que. 112 The smallest living gymnosperm is

1. *Zamia*
2. *Ephedra*
3. *Cycas*
4. *Ginkgo*

Testbook Solution Correct Option - 1

Que. 113 Pollination in *Pinus* is

1. Anemophilous
2. Hydrophilous
3. Zoophilous

4. Cheriopterous

Testbook Solution Correct Option - 1

Que. 114 Which of the following is a living fossil?

1. Gnetum gnemon
2. Ginkgo biloba
3. Cedrus deodara
4. Ephedra foliata

Testbook Solution Correct Option - 2

Que. 115 The wing on seed of Pinus is developed from

1. Integument
2. Nucellus
3. Carpellary scale
4. Ovuliferous scale

Testbook Solution Correct Option - 4

Que. 116 Gynoecium represents

1. ovaries with fused stigmas
2. ovaries with fused style
3. a single carpel
4. the whorl of carpels

Testbook Solution Correct Option - 4

Que. 117 Neottia plant is a

1. Saprophyte
2. Symbiont
3. Insectivorous plant
4. None of these

Testbook Solution Correct Option - 1

Que. 118 A plant which needs not less than ten hours of light to flower should be a

1. long day plant
2. short day plant
3. day neutral plant
4. none of these

Testbook Solution Correct Option - 1

Que. 119 Tropic movement takes place mainly by

1. Cell enlargement
2. Cell bending
3. Cell division
4. Cell dormancy

Testbook Solution Correct Option - 1

Que. 120 Border line cases between species and sub-species are called

1. Sibling species
2. Semi-species
3. Super-species
4. Sub-species

Testbook Solution Correct Option - 2

Que. 121 The principal food crop of the world is

1. Wheat
2. Maize
3. Rice
4. Barley

Testbook Solution Correct Option - 1

Que. 122 Fungi are always

1. Heterophytes
2. Autotrophic
3. Saprophytic
4. Parasitic

Testbook Solution Correct Option - 1

Que. 123 Structure helping Lichens in respiration is

1. Isidium
2. Soredium
3. Cephalodium
4. Cyphella

Testbook Solution Correct Option - 4

Que. 124 Most common nitrogen fixing cyanobacterium of paddy field is

1. Cylandrosperrum
2. Aulosira
3. Oscillatoria
4. Nostoc

Testbook Solution Correct Option - 2

Que. 125 In bacteria, the respiratory enzymes are located on

1. plasmid
2. episome
3. mesosome
4. nucleoid

Testbook Solution Correct Option - 3