

National Testing Agency

Question Paper Name: Morphology Developmental Biology and Physiology of Angiosperms
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Morphology Developmental Biology and Physiology of Angiosperms

Group Number : 1
Group Id : 41652933
Group Maximum Duration : 0
Group Minimum Duration : 120
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 100

Morphology Developmental Biology and Physiology of Angiosperms

Section Id : 41652933
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 100
Number of Questions to be attempted: 100
Section Marks: 100
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 41652934
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 4165292601 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

_____ roots arise from nodes and base of stem.

- Adventitious
- Tap
- Aerial
- Branched

Question Number : 2 Question Id : 4165292602 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In ----- system primary root is dominant.

- a. Adventitious root
- b. Tap root
- c. Stilt root
- d. Aquatic

**Question Number : 3 Question Id : 4165292603 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

Main functions of roots are:

- a. Assimilation
- b. Reproduction
- c. Anchorage and absorption
- d. Respiration

**Question Number : 4 Question Id : 4165292604 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

Root hair arises from:

- a. Pericycle
- b. Endodermis
- c. Epiblema
- d. Cortex

**Question Number : 5 Question Id : 4165292605 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

In Dicot stem, the vascular bundles are:

- a. Conjoint collateral closed
- b. Conjoint collateral open
- c. Radial bundles
- d. Scattered bundles

**Question Number : 6 Question Id : 4165292606 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

In monocot stem:

- a. Vascular bundles are scattered
- b. Vascular bundles are arranged in a ring
- c. Separate Xylem and phloem bundles are present
- d. Vascular bundles are lateral

**Question Number : 7 Question Id : 4165292607 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

Lysigenous cavity is found in:

- a. Monocot stem
- b. Dicot stem
- c. Monocot stem&Dicot stem
- d. In the leaves

**Question Number : 8 Question Id : 4165292608 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

Tobacco leaf tissue is treated with ----- to isolate Single cell.

- a. Pectinase & potassium dextran sulphate
- b. Pectinase & cellulase
- c. Pectinase & amylase
- d. Amylase & protease

Question Number : 9 Question Id : 4165292609 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The callus tissue on which the single cell is growing is called:

- a. Mother tissue
- b. Nurse tissue
- c. Clone
- d. Embryo

Question Number : 10 Question Id : 4165292610 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Leaf veins are parallel in:

- a. Dicot
- b. Monocot
- c. Dicot & Monocot
- d. Aquatic leaf

Question Number : 11 Question Id : 4165292611 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The specialized anatomy in the leaf having C4 photosynthetic pathway is known as:

- a. CAM
- b. Kranz anatomy
- c. Bundle sheath
- d. Mesophyll

Question Number : 12 Question Id : 4165292612 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Main task of stomata is to:

- a. Intake of carbon dioxide and the release of oxygen
- b. Intake of carbon dioxide
- c. Release of oxygen
- d. Evaporation of water vapor

Question Number : 13 Question Id : 4165292613 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Guard cells of stoma are:

- a. Irregular in shape
- b. Long and Cylindrical in shape
- c. Kidney-shaped
- d. Spherical

Question Number : 14 Question Id : 4165292614 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The structure which is considered as the male reproductive part of a flowering plant is called as:

- a. Corolla
- b. Androecium
- c. Gynoecium
- d. Carpel

Question Number : 15 Question Id : 4165292615 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pedicel of a flower is:

- a. Sepals
- b. Stalk
- c. Petals
- d. Stamen

Question Number : 16 Question Id : 4165292616 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The arrangement of ovules within an ovary is called:

- a. Aestivation
- b. Placentation
- c. Fertilization
- d. Floral diagram

Question Number : 17 Question Id : 4165292617 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Male gametes in angiosperms are formed by the division of:

- a. Generative cell
- b. Vegetative cell
- c. Microspore mother cell
- d. Megaspore mother cell

Question Number : 18 Question Id : 4165292618 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Female gametophyte of angiosperm is represented by:

- a. Ovule
- b. Megaspore mother cell
- c. Embryo sac
- d. Stigma

Question Number : 19 Question Id : 4165292619 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Chiropteriphily is pollination by:

- a. Birds
- b. Rodents
- c. Bats
- d. Insects

Question Number : 20 Question Id : 4165292620 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pollination in most of the cereals is by:

- a. Orinthophily
- b. Hydrophily
- c. Anemophily
- d. Self pollination

Question Number : 21 Question Id : 4165292621 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The water readily available to plants for absorption by roots is:

- a. Gravitational water
- b. Capillary water
- a. Hygroscopic water
- b. Surface water

Question Number : 22 Question Id : 4165292622 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The water potential of pure water at atmospheric pressure is:

- a. -2.3 bar
- b. +2.3 bar
- c. Zero bar
- d. +1 bar

Question Number : 23 Question Id : 4165292623 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Absorption of water takes place through:

- a. Root hair
- b. Tap root
- c. Lateral root
- d. Root tip

Question Number : 24 Question Id : 4165292624 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Water transpiration is done 90% by process of:

- a. Cuticular transpiration
- b. Lenticular transpiration
- c. Stomatal transpiration
- d. Epidermal evaporation

Question Number : 25 Question Id : 4165292625 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Turgidity of the guard cells causes the:

- a. Closing of the stomata
- b. Opening of the stomata
- c. Closing the cuticle
- b. Shrinking of the stomata

Question Number : 26 Question Id : 4165292626 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The pathway in which water moves through cell wall without crossing any membrane is called:

- a. Apoplast
- b. Symplast
- c. Vacuolar
- d. Capillary

Question Number : 27 Question Id : 4165292627 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Light supplies the energy for photosynthesis. The overall chemical reaction is:

- a. Oxygen and water are converted into glucose sugar and carbon dioxide.
- b. Carbon dioxide and water are converted into glucose sugar and oxygen.
- c. Sugar is broken into water and oxygen.
- d. Carbon dioxide and oxygen are converted to glucose

Question Number : 28 Question Id : 4165292628 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The pigment molecules responsible for photosynthesis are located in the:

- a. Cytoplasm of the cell
- b. Stroma of the chloroplast
- c. Thylakoid membrane of the chloroplast
- d. Vacuole

Question Number : 29 Question Id : 4165292629 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The electrons excited by sunlight are replaced by electrons from _____ in photosystem I, and by electrons from _____ in photosystem II.

- a. Water; photosystem I
- b. Photosystem II; water
- c. Water; carbon dioxide
- d. Oxygen; carbon dioxide

Question Number : 30 Question Id : 4165292630 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following statements is *incorrect* regarding Light reactions:

- a. Light reactions take place in the grana
- b. It is associated with carbon fixation
- c. ATP and NADPH are the end products of light reactions
- d. Oxygen is evolved in the light reaction

Question Number : 31 Question Id : 4165292631 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following statements *correctly* describes difference in photosynthesis and respiration?

- a. Photosynthesis stores energy in complex molecules while respiration releases it.
- b. Photosynthesis takes place in plants while respiration takes place in animals.
- c. Respiration is anabolic while photosynthesis is catabolic.
- d. Both photosynthesis and respiration takes place only in light

Question Number : 32 Question Id : 4165292632 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Light supplies the energy for photosynthesis. What is the overall chemical reaction?

- a. Oxygen and water are converted into glucose sugar and carbon dioxide.
- b. Carbon dioxide and water are converted into glucose sugar and oxygen.
- c. Sugar is broken into water and oxygen.
- d. Carbon dioxide and oxygen are converted to sugar

Question Number : 33 Question Id : 4165292633 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ is removed from pyruvate during its conversion into an acetyl group.

- a. Oxygen
- b. ATP
- c. Carbon dioxide
- d. Methyl group

Question Number : 34 Question Id : 4165292634 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Most enzymes of Krebs cycle in eukaryotes are found in:

- a. Matrix of mitochondria
- b. Inner membrane of mitochondria
- c. Cytosol of cell
- d. Nucleus

Question Number : 35 Question Id : 4165292635 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Vigorously contracting muscles exhibit:

- a. Glycolysis
- b. Lactic acid fermentation
- c. Ethanol fermentation
- d. Citric acid fermentation

Question Number : 36 Question Id : 4165292636 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is the final acceptor of electrons in the ETC?

- a. O_2
- b. H_2O
- c. CO_2
- d. NAD

Question Number : 37 Question Id : 4165292637 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The four membered aldose sugar phosphate formed in HMP shunt pathway is:

- a. Xylulose P
- b. Erythrose P
- c. Ribulose P
- d. Glyceraldehyde P

Question Number : 38 Question Id : 4165292638 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Leghaemoglobin creates:

- a. Anaerobic condition for the optimum activity of nitrogenase
- b. Aerobic condition for optimum activity of nitrogenase
- c. Required oxygen concentration for optimum activity of nitrogenase
- d. Required hydrogen concentration for the activity of nitrogenase

Question Number : 39 Question Id : 4165292639 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The nodule forming bacteria are:

- a. Azotobacter
- b. Nitrobacter
- c. Rhizobium
- d. Nitrosomonas

Question Number : 40 Question Id : 4165292640 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The chief source of nitrogen for green plants is:

- a. Nitrate
- b. Ammonia
- c. Nitrogen gas
- d. Urea

Question Number : 41 Question Id : 4165292641 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The type of bacteria responsible for converting ammonia to nitrates is:

- a. Nitrosomonas
- b. Rhizobium
- c. E.coli
- d. Azotobacter

Question Number : 42 Question Id : 4165292642 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Shoot growth is:

- a. Negatively gravitropic
- b. Positively gravitropic
- c. Phototropic
- d. Latera

Question Number : 43 Question Id : 4165292643 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ is the natural cytokinin.

- a. Kinetin
- b. Zeatin
- c. Benzyl amino purine
- d. Furfuryl amino purine

Question Number : 44 Question Id : 4165292644 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cytokinins promote cell division in the presence of:

- a. Auxin
- b. Gibberellins
- c. Ethylene
- d. Sodium

Question Number : 45 Question Id : 4165292645 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cytokinins promote:

- a. Elongation growth
- b. Root growth
- c. Expansion growth
- d. Stem growth

Question Number : 46 Question Id : 4165292646 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The enzyme promoted in the seeds of cereals by GA is:

- a. Peroxidase
- b. Amylase
- c. Carboxylase
- d. Kinase

Question Number : 47 Question Id : 4165292647 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A day neutral plant can flower in:

- a. Long days
- b. Short days
- c. Both in long and short days
- d. In cold temperature

Question Number : 48 Question Id : 4165292648 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

'Dormancy' means:

- a. Inhibition of growth
- b. Temporary suppression of growth
- c. Damage to seeds
- d. Death of seeds

Question Number : 49 Question Id : 4165292649 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ is the precursor of betacyanin synthesis.

- a. Tyrosine
- b. Gibberellin
- c. Histidine
- d. Glycine

Question Number : 50 Question Id : 4165292650 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Dwarf mutants of pea remain short because:

- a. They lose the capacity to synthesize GA
- b. They accumulate inhibitors
- c. They lose the capacity to grow
- d. They lack auxins

Question Number : 51 Question Id : 4165292651 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The chemical which can inhibit ethylene biosynthesis is:

- a. Silver nitrate
- b. Aminoxy acetic acid
- c. Ethephon
- d. Potassium chloride

Question Number : 52 Question Id : 4165292652 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The enzyme activated during ripening is:

- a. ACC synthase
- b. Peroxidase
- c. Polyphenol oxidase
- d. Carboxylase

Question Number : 53 Question Id : 4165292653 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Change of color in fruits helps in:

- a. Sweetening
- b. Shelf life
- c. Attracting animals
- d. Repelling insects

Question Number : 54 Question Id : 4165292654 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Abscisic acid inhibits:

- a. Growth of seedlings
- b. Betacyanin synthesis
- c. Growth and betacyanin synthesis
- d. Ripening

Question Number : 55 Question Id : 4165292655 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

'Abscission' means:

- a. Development of fruit
- b. Senescence of leaf
- c. Detachment of leaf
- d. Inhibition of bud

Question Number : 56 Question Id : 4165292656 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In germinating seeds:

- a. Growth promoters are higher than inhibitors
- b. Inhibitors are higher than promoters
- c. Both are in equal concentration
- d. Pigments are high

Question Number : 57 Question Id : 4165292657 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Abscisic acid has common biosynthetic pathway with:

- a. Carotenoids
- b. Chlorophyll
- c. Protein
- d. Ethylene

Question Number : 58 Question Id : 4165292658 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Phytochrome regulates:

- a. Photosynthesis
- b. Photomorphogenesis
- c. Phototropism
- d. Phototaxis

Question Number : 59 Question Id : 4165292659 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The chromophore of the phytochrome is:

- a. Circular tetra-pyrrole
- b. Linear tetra-pyrrole
- c. Polypeptide
- d. Lipid

**Question Number : 60 Question Id : 4165292660 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

In a red, far-red reversible photo-response the response will depend upon:

- a. The first exposure to light
- b. Incubation time in darkness
- c. Terminal exposure to light
- d. Continuous exposure to light

**Question Number : 61 Question Id : 4165292661 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

Seeds which require light for germination are called:

- a. Dormant seeds
- b. Quiescent seeds
- c. Photoblastic seeds
- d. Non germinating seeds

**Question Number : 62 Question Id : 4165292662 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

The response is considered as a fast response is:

- a. Expansion of cotyledons
- b. Inhibition of hypocotyl
- c. Closure of leaves
- d. Synthesis of anthocyanin

**Question Number : 63 Question Id : 4165292663 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

Photo-response induced by continuous exposure to light is called:

- a. High irradiance response
- b. Low fluence response
- c. Very low fluence response
- d. Pulsed response

**Question Number : 64 Question Id : 4165292664 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

Nutation growth is shown by:

- a. Climbers
- b. Shoots
- c. Roots
- d. Slender herbs

**Question Number : 65 Question Id : 4165292665 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

. If a plant organ grows in the opposite direction of the gravity it is called:

- a. Diageotropic
- b. Geotropic
- c. Agravitropic
- d. Thigmotropic

**Question Number : 66 Question Id : 4165292666 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

Movement of locomotion in response to temperature is called:

- a. Phototactic
- b. Thermotactic
- c. Chemotactic
- d. Hydrotactic

Question Number : 67 Question Id : 4165292667 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

'Touch-me-not' plant closes its leaves when it is touched, this is called:

- a. Seismonasty
- b. Thermonasty
- c. Chemonasty
- d. Photonasty

Question Number : 68 Question Id : 4165292668 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

After fertilization ovule develops in to:

- a. Thalamus
- b. Seed
- c. Fruit
- d. Seedling

Question Number : 69 Question Id : 4165292669 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

One of the male nuclei fuses with the egg cell and forms:

- a. Stigma
- b. Pedicel
- c. Zygote
- d. Endosperm

Question Number : 70 Question Id : 4165292670 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When the endosperm nucleus divides without forming cell walls it results in:

- a. Nuclear endosperm
- b. Helobial endosperm
- c. Cellular endosperm
- d. Liquid endosperm

Question Number : 71 Question Id : 4165292671 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Endosperm and embryo are formed in an angiosperm flower after:

- a. Pollination
- b. Seed formation
- c. Fertilization
- d. Fruit formation

Question Number : 72 Question Id : 4165292672 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The function of endosperm is to:

- a. Store nutrients
- b. Develop into cotyledons
- c. Develop into root
- d. Absorb water

Question Number : 73 Question Id : 4165292673 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pressure developed on cell wall of plant cell caused by osmotic movement of water is called as:

- a. Turgor pressure
- b. Osmotic pressure
- c. Suction pressure
- d. Atmospheric pressure

Question Number : 74 Question Id : 4165292674 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The type of soil which is loosely packed with large air spaces is called:

- a. Sandy soil
- b. Loamy soil
- c. Clayey soil
- d. Water logged soil

Question Number : 75 Question Id : 4165292675 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Strongest force to pull water up xylem and into leaf is:

- a. Capillary action
- b. Root pressure
- c. Transpiration pull
- d. Turgor pressure

Question Number : 76 Question Id : 4165292676 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Energy between pigment molecules is transferred by:

- a. Heat
- b. Fluorescence
- c. Resonance transfer
- d. Phosphorescence

Question Number : 77 Question Id : 4165292677 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The 'law of limiting factor' was proposed by:

- a. Arnon
- b. Blackman
- c. Wilstatter
- d. Mitchell

Question Number : 78 Question Id : 4165292678 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The point at which the amount of CO_2 fixed in photosynthesis is equal to the CO_2 evolved in respiration and photorespiration is called:

- a. Optimal point
- b. Concentration point
- c. Compensation point
- d. Saturation point

Question Number : 79 Question Id : 4165292679 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Glycolysis occurs in:

- a. Cytosol of the cell
- b. Mitochondria
- c. Mitochondrial matrix
- d. Chlorophyll

Question Number : 80 Question Id : 4165292680 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The scientist who gave the Chemiosmotic hypothesis is:

- a. Albert Lehninger
- b. Eugene Kennedy
- c. Peter D. Mitchell
- d. Robert Calvin

Question Number : 81 Question Id : 4165292681 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Phototropism is:

- a. Growth in day light
- b. Bending of plant towards unilateral light
- c. Growth under bilateral illumination
- d. Growth in darkness

Question Number : 82 Question Id : 4165292682 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A weedicide is a substance that can:

- a. Promote growth of weeds
- b. Kill the weeds
- c. Kill the insects
- d. Protect the weeds

Question Number : 83 Question Id : 4165292683 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A seedless fruit is produced by:

- a. Hybridization
- b. Fertilization of a flower
- c. Parthenocarpy
- d. Self pollination

Question Number : 84 Question Id : 4165292684 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Senescence of leaf is:

- a. Programmed aging
- b. Differentiation of shoot
- c. Expansion of leaf
- d. Fall of leaf

Question Number : 85 Question Id : 4165292685 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Plant tumors are produced after infection with

- a. Rhizobacteria
- b. Azotobacteria
- c. Agrobacterium
- d. Puccinia

Question Number : 86 Question Id : 4165292686 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pollination by wind is called:

- a. Hydrophily
- b. Anemophily
- c. Zoophily
- d. Orthophily

Question Number : 87 Question Id : 4165292687 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Self-pollination within unopened flowers is called:

- a. Cleistogamy
- b. Epigamy
- c. Hypogamy
- d. Mesogamy

Question Number : 88 Question Id : 4165292688 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Hymenopterous flowers are pollinated by;

- a. Birds
- b. Ants
- c. Bees
- d. Bats

Question Number : 89 Question Id : 4165292689 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Shoots will be formed from the callus when auxin to cytokinin ratio is:

- a. Equal
- b. In favor of auxin
- c. In favor of cytokinins
- d. Very high

Question Number : 90 Question Id : 4165292690 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cytokinins promote development of:

- a. Ribosomes
- b. Chloroplast
- c. Mitochondria
- d. Endoplasmicreticulum

Question Number : 91 Question Id : 4165292691 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Most of the cytokinins are:

- a. Amino acids
- b. Amino purines
- c. Pyrimidines
- d. Alkaloids

Question Number : 92 Question Id : 4165292692 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

. In the cereals the reserved food is stored in:

- a. Embryo
- b. Testa
- c. Endosperm
- d. Vacuole

Question Number : 93 Question Id : 4165292693 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Synthesis of α - amylase is promoted by:

- a. DELLA proteins
- b. c-GMP
- c. MYB protein
- d. Short peptides

Question Number : 94 Question Id : 4165292694 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Application of GA can enhance the yield of:

- a. Sugar beet
- b. Cabbage
- c. Sugarcane
- d. Potato

Question Number : 95 Question Id : 4165292695 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Ethylene can cause:

- a. Leaf growth
- b. Flower formation
- c. Fruit ripening
- d. Fertilization

Question Number : 96 Question Id : 4165292696 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The precursor of ethylene biosynthesis is:

- a. Tyrosine
- b. Alanine
- c. Tryptophan
- d. Methionine

Question Number : 97 Question Id : 4165292697 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Bud dormancy is observed in plants under:

- a. Water stress
- b. High temperature
- c. Salt stress
- d. Low temperature

Question Number : 98 Question Id : 4165292698 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Vivi-pary means:

- a. Production of seeds
- b. Germination in soil
- c. Infection of the fruit
- d. Germination within the fruit

Question Number : 99 Question Id : 4165292699 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A circadian rhythm is when a flower opens in a cycle of 24 hours during:

- a. Day light
- b. Evening
- c. Night
- d. Any time

Question Number : 100 Question Id : 4165292700 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A plant has a critical photoperiod of 14 hours and does not flower if the photoperiod exceeds this time; this plant is a:

- a. Short day plant
- b. Long day plant
- c. Day neutral plant
- d. Tropical plant