

# National Testing Agency

**Question Paper Name:** Plant Systematics  
**Subject Name:** Plant Systematics  
**Creation Date:** 2018-12-01 16:20:28  
**Duration:** 180  
**Total Marks:** 100  
**Display Marks:** Yes  
**Share Answer Key With Delivery Engine:** Yes  
**Actual Answer Key:** Yes

## Plant Systematics

**Group Number :** 1  
**Group Id :** 41652921  
**Group Maximum Duration :** 0  
**Group Minimum Duration :** 120  
**Revisit allowed for view? :** No  
**Revisit allowed for edit? :** No  
**Break time:** 0  
**Group Marks:** 100

## Plant Systematics

**Section Id :** 41652921  
**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:** 41652922  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 4165291656 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Who has coined the term Taxonomy?

- a) Aristotle
- b) de Candolle
- c) Linnaeus
- d) Darwin

**Question Number : 2 Question Id : 4165291657 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Diagnostic characters refer to:

- a) Leaf characters
- b) Flower characters
- c) Fruit characters
- d) Delimiting characters

**Question Number : 3 Question Id : 4165291658 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Nomenclature refers to:

- a) Identifying a taxon
- b) Naming a taxon
- c) Classifying a taxon
- d) Arrangement of a taxon

**Question Number : 4 Question Id : 4165291659 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 language used for scientific naming is:

- a) Greek
- b) Latin
- c) Roman
- d) Italian

**Question Number : 5 Question Id : 4165291660 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 classification systems involve evolutionary relationships?

- a) Artificial
- b) Natural
- c) Phylogenetic
- d) Herbal

**Question Number : 6 Question Id : 4165291661 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 a taxonomic group does not contain all the descendants of a common ancestor, the group is known as:

- a) Monophyletic
- b) Paraphyletic
- c) Polyphyletic
- d) Holophyletic

**Question Number : 7 Question Id : 4165291662 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Taxonomic keys are used in:

- a) Identification
- b) Description
- c) Nomenclature
- d) Classification

**Question Number : 8 Question Id : 4165291663 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 characters taken into consideration in describing a plant are called as:

- a) Diagnostic
- b) Analogous
- c) Homologous
- d) Multilogous

**Question Number : 9 Question Id : 4165291664 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Tetrahedral tetrad pollen grains are found in:

- a) Asteraceae
- b) Ericaceae
- c) Orchidaceae
- d) Apocynaceae

**Question Number : 10 Question Id : 4165291665 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Pollinium is found in:

- a) Ericaceae
- b) Apocynaceae
- c) Asclepidaceae
- d) Brassicaceae

**Question Number : 11 Question Id : 4165291666 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 pollen grain wall is made of two principal layers:

- a) Exine and Intine
- b) Exine and Ektexine
- c) Ektexine and sporopollenin
- d) Exine and sporopollenin

**Question Number : 12 Question Id : 4165291667 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Insect and bird pollinated pollens are:

- a) Large, sculptured.
- b) Small, rounded and smooth, rather thin-walled and dry with shallow furrows.
- c) Large sculptured and often coated with adhesive waxy or oily substance.
- d) Monoporate and dry with shallow furrows.

**Question Number : 13 Question Id : 4165291668 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

PCR stands for:

- a) Polychlorinated resin
- b) Polymerase chain reaction
- c) Polymerase chain reactor
- d) Polychlorinated resorcinol

**Question Number : 14 Question Id : 4165291669 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Primer refers to:

- a) A specific region in DNA
- b) A specific region in mRNA
- c) A small oligonucleotide sequence used in DNA amplification
- d) A small amino acid chain

**Question Number : 15 Question Id : 4165291670 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Restriction enzymes:

- a) Ligate DNA
- b) Aid in DNA folding
- c) Cut DNA into pieces at specific sites
- d) Remove purine dimmers from DNA

**Question Number : 16 Question Id : 4165291671 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Separation of *Juniperus* into three sections *Caryocedrus*, *Juniperus* and *Sabina* has been supported by:

- a) RAPD analysis
- b) Heteroduplex analysis
- c) AFLPs
- d) VNTRs

**Question Number : 17 Question Id : 4165291672 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 genes is frequently used in molecular taxonomic studies in plants?

- a) Alcohol dehydrogenase gene
- b) 16S rRNA gene
- c) rbcL gene
- d) Lactate dehydrogenase gene

**Question Number : 18 Question Id : 4165291673 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 standard size of a herbarium label is:

- a) 8 cm X 10 cm
- b) 8 cm X 12 cm
- c) 8 cm X 13 cm
- d) 8 cm X 11 cm

**Question Number : 19 Question Id : 4165291674 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

An annotation label is also called as a:

- a) Herbarium label
- b) Species label
- c) Determination label
- d) Identification label

**Question Number : 20 Question Id : 4165291675 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Accession seal (stamp) carries the name of:

- a) Plant
- b) Family
- c) Herbarium
- d) Curator

**Question Number : 21 Question Id : 4165291676 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 chemicals is/are used in herbarium cases?

- a) Naphthalene balls and Paradichlorobenzene (PDB)
- b) Naphthalene balls only
- c) Mercuric chloride
- d) Cresol

**Question Number : 22 Question Id : 4165291677 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Fumigation refers to exposure of herbarium specimens to:

- a) Non-volatile substances
- b) Volatile substances in a chamber
- c) Volatile substances like Cresol
- d) Mercuric chloride only

**Question Number : 23 Question Id : 4165291678 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 largest herbarium in the world?

- a) New York Botanical Garden
- b) Natural History Museum, Paris
- c) Central National Herbarium, Kolkata
- d) Royal Botanical Gardens, Kew

**Question Number : 24 Question Id : 4165291679 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 acronym of Central National Herbarium, Kolkata is:

- a) KOL
- b) COL
- c) CAL
- d) BSI

**Question Number : 25 Question Id : 4165291680 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 credit for invention of herbarium goes to:

- a) Linnaeus
- b) Arber
- c) Luca Ghini
- d) Asa Gray

**Question Number : 26 Question Id : 4165291681 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Index Herbariorum contains information about:

- a) Herbaria
- b) Monographs
- c) Herbals
- d) Plants

**Question Number : 27 Question Id : 4165291682 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 one of the following taxonomic works is the most comprehensive?

- a) Flora
- b) Monograph
- c) Revision
- d) Manual

**Question Number : 28 Question Id : 4165291683 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Hooker's *Icones* are associated with:

- a) Plant names
- b) Plant keys
- c) Plant illustrations
- d) Plant genera

**Question Number : 29 Question Id : 4165291684 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 *Flowers of the Himalaya* is written by:

- a) Bentham & Hooker
- b) Blake & Atwood
- c) Solbrig & Gadella
- d) Polunin & Stainton

**Question Number : 30 Question Id : 4165291685 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Dichotomous keys are also called as:

- a) Interactive keys
- b) Punched card keys
- c) Multi access keys
- d) Sequential keys

**Question Number : 31 Question Id : 4165291686 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Punched card keys are:

- a) Multi-access keys
- b) Bi-access keys
- c) Single access keys
- d) A design of dichotomous keys

**Question Number : 32 Question Id : 4165291687 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 a dichotomous key:

- a) Edge punched card key
- b) Parallel key
- c) Body punched card key
- d) Tabular key

**Question Number : 33 Question Id : 4165291688 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 lead is:

- a) Set of statements in a dichotomous key
- b) A character in a dichotomous key
- c) A statement in a dichotomous key
- d) Final statement of a dichotomous key which identifies a plant

**Question Number : 34 Question Id : 4165291689 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 sheathed leaves are found in:

- a) Dicots
- b) Monocots
- c) Ferns
- d) Bryophytes

**Question Number : 35 Question Id : 4165291690 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 ligule is present in which part of the leaf:

- a) Blade
- b) Sheath
- c) Between sheath and lamina
- d) At the apex of blade

**Question Number : 36 Question Id : 4165291691 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Compound leaves are found in which of the following families:

- a) Salicaceae
- b) Fabaceae
- c) Moraceae
- d) Poaceae

**Question Number : 37 Question Id : 4165291692 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Small leafy extensions on the base of the petiole are known as:

- a) Phyllode
- b) Ligule
- c) Stipule
- d) Cladode

**Question Number : 38 Question Id : 4165291693 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 organization of the floral parts with respect to each other is called as:

- a) Phyllotaxy
- b) Aestivation
- c) Florotaxy
- d) Merosity

**Question Number : 39 Question Id : 4165291694 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Staminode is a:

- a) Fertile stamen
- b) Largest stamen
- c) Abortive stamen
- d) Outer most stamen in legumes

**Question Number : 40 Question Id : 4165291695 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 outer two whorls in the flower of Tulipa are:

- a) All sepals
- b) All petals
- c) All tepals
- d) Sepals and androecium

**Question Number : 41 Question Id : 4165291696 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Pappus represents highly reduced:

- a) Petals
- b) Sepals
- c) Stamens
- d) Carpels

**Question Number : 42 Question Id : 4165291697 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Inflorescence in which the growth of main axis is terminated by a flower is known as:

- a) Racemose
- b) Anastomose
- c) Cymose
- d) Primrose

**Question Number : 43 Question Id : 4165291698 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 an example of determinate inflorescence?

- a) Scorpid cyme
- b) Spike
- c) Apathe
- d) Capitulum

**Question Number : 44 Question Id : 4165291699 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 corymb, the pedicels are:

- a) Equal in length
- b) Unequal in length
- c) Absent
- d) Reduced

**Question Number : 45 Question Id : 4165291700 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 case of catkin inflorescence, the flowers are:

- a) Unisexual and sessile
- b) Bisexual and pedicillate
- c) Unisexual and pedicillate
- d) Bisexual and sessile

**Question Number : 46 Question Id : 4165291701 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Capitulum inflorescence is a characteristic of the family:

- a) Asteraceae
- b) Lamiaceae
- c) Poaceae
- d) Rosaceae

**Question Number : 47 Question Id : 4165291702 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**



Simple fruit develops from:

- a) Single flower
- b) Inflorescence
- c) Flower with single ovary
- d) Single pistil

**Question Number : 48 Question Id : 4165291703 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Achene is a:

- a) Dry indehiscent fruit
- b) Dry dehiscent fruit
- c) Fleshy indehiscent fruit
- d) Aggregate fruit

**Question Number : 49 Question Id : 4165291704 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Caryopsis is the characteristic fruit of family:

- a) Asteraceae
- b) Cyperaceae
- c) Brassicaceae
- d) Poaceae

**Question Number : 50 Question Id : 4165291705 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 fruits is having a hard stony endocarp?

- a) Drupe
- b) Pseudodrupe
- c) Berry
- d) Pome

**Question Number : 51 Question Id : 4165291706 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 type of fruit is present in family Cucurbitaceae?

- a) Pepo
- b) Pome
- c) Hesperidium
- d) Berry

**Question Number : 52 Question Id : 4165291707 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 placentation in which ovules in ovary develop on two separate rows is known as:

- a) Marginal
- b) Axile
- c) Free central
- d) Basal

**Question Number : 53 Question Id : 4165291708 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Marginal placentation is conspicuous in:

- a) Asteraceae
- b) Fabaceae
- c) Apiaceae
- d) Poaceae

**Question Number : 54 Question Id : 4165291709 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 not a type of placentation?

- a) Free central
- b) Marginal
- c) Parietal
- d) Twisted

**Question Number : 55 Question Id : 4165291710 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Nothotaxa refers to:

- a) fossil taxa
- b) infraspecific taxa
- c) hybrid taxa
- d) infrageneric taxa

**Question Number : 56 Question Id : 4165291711 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 term speciation was coined by:

- (a) Darwin
- (b) Mayr
- (c) Linnaeus
- (d) Cook

**Question Number : 57 Question Id : 4165291712 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Biological species concept was given by\_\_\_\_\_

- (a) Bessey
- (b) Simpson
- (c) Mayr
- (d) Linnaeus

**Question Number : 58 Question Id : 4165291713 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 term microspecies was first used by:

- (a) Cook
- (b) Mayr
- (c) Darwin
- (d) Jordan

**Question Number : 59 Question Id : 4165291714 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

As per Principle of Priority, following name is deemed as valid:

- a) Oldest name
- b) Most recent name
- c) Earliest correct name
- d) Most recent corrected name

**Question Number : 60 Question Id : 4165291715 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 term taxon refers to:

- a) Name of a species
- b) Name of genus
- c) Name of a family
- d) A taxonomic group of any rank

**Question Number : 61 Question Id : 4165291716 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 Principle of the ICN deals with typification?

- a) Principle I
- b) Principle II
- c) Principle III
- d) Principle IV

**Question Number : 62 Question Id : 4165291717 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 not a name-bearing type?

- a) Paratype
- b) Lectotype
- c) Holotype
- d) Syntype

**Question Number : 63 Question Id : 4165291718 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 specimen originally used or designated at the time of publication, upon which a name is based is:

- a) Lectotype
- b) Isotype
- c) Holotype
- d) Neotype

**Question Number : 64 Question Id : 4165291719 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Grex is abbreviated as

- a) gr
- b) ge
- c) gx
- d) gre

**Question Number : 65 Question Id : 4165291720 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

International Code of Nomenclature for Cultivated Plants has

- a) 8 principles
- b) 9 principles
- c) 10 principles
- d) 11 principles

**Question Number : 66 Question Id : 4165291721 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Variety is a taxonomic rank

- a) Below that of species and subspecies but above that of form
- b) Above that of species and subspecies
- c) Below that of species, subspecies and form
- d) None of the above

**Question Number : 67 Question Id : 4165291722 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

ICRAs stand for

- a) International Cultivar Reading Authorities
- b) International Cultivar Registration Authorities
- c) Indian Cultivar Registration Authorities
- d) None of the above

**Question Number : 68 Question Id : 4165291723 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Graft hybrids or graft-chimaeras are formed by

- a) Fusion of gametes of two plants
- b). Physical fusion of tissues of two plants
- c) Both (a) and (b)
- d) None of the above

**Question Number : 69 Question Id : 4165291724 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 process of plant identification is also called:

- a) Comparison
- b) Determination
- c) Verification
- d) Relocation

**Question Number : 70 Question Id : 4165291725 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Who is known as the father of Genus concept?

- a) Tournefort
- b) Michel Adanson
- c) Gaspard Bauhin
- d) Hutchinson

**Question Number : 71 Question Id : 4165291726 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

*Pinax Theatri Botanici* was written by

- a) Theophrastus
- b) Tournefort
- c) Gaspard Bauhin
- d. None of the above

**Question Number : 72 Question Id : 4165291727 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Who first introduced binomial nomenclature?

- a) Cronquist
- b) Bentham and Hooker
- c) Gaspard Bauhin
- d) Tournefort

**Question Number : 73 Question Id : 4165291728 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

*Éléments de botanique* was written by

- a) Charles Bessey
- b) Tournefort
- c. Armen Takhtajan
- d. Engler and Prantl

**Question Number : 74 Question Id : 4165291729 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 not a work of Linnaeus?

- a) Species Plantarum
- b) Historia Plantarum
- c) Genera Plantarum
- d) Fundamenta Botanica

**Question Number : 75 Question Id : 4165291730 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 first edition of *Systema Naturae* was published in the year

- a) 1735
- b) 1758
- c) 1753
- d) 1770

**Question Number : 76 Question Id : 4165291731 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Linnaeus described plants in the kingdom

- a) Regnum Vegetabile
- b) Regnum Plantae
- c) Regnum Lapideum
- d) Regnum Chlorophylly

**Question Number : 77 Question Id : 4165291732 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Who is known as Father of Numerical Taxonomy?

- a) Michel Adanson
- b) de Candolle
- c) John Hutchinson
- d) de Tournefort

**Question Number : 78 Question Id : 4165291733 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Hutchinson proposed

- a) Evolutionary system of classification
- b) Artificial system of classification
- c) Natural system of classification
- d) None of the above

**Question Number : 79 Question Id : 4165291734 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Phylogenetic system of classification depicts:

- a) Relationships based on morphological similarities
- b) Relationships based on natural affinities
- c) Relations based on evolutionary decent
- d) None of these

**Question Number : 80 Question Id : 4165291735 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Bessey and Cronquist's systems of classifications are:

- a) Natural system of classification
- b) Phylogenetic system of classification
- c) Both (a) and (b)
- d) Artificial system of classification

**Question Number : 81 Question Id : 4165291736 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 number of rules Bessey designated for distinguishing evolutionary trends in plants?

- a) 28
- b) 30
- c) 35
- d) 40

**Question Number : 82 Question Id : 4165291737 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 Evolution and Classification of Flowering Plants* (1968) was written by

- (a) Charles Bessey
- (b) John Hutchinson
- (c) Armen Takhtajan
- (d) Arthur Cronquist

**Question Number : 83 Question Id : 4165291738 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

According to Takhtajan, the characteristic features of primitive flowers are:

- a) Moderate in size few flowered cymes
- b) Few flowered cymes
- c) Petals have dual origin
- d) All the above

**Question Number : 84 Question Id : 4165291739 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 primitive carpels as per Takhtajan are:

- a) Free, conduplicate
- b) Conduplicate
- c) Containing numerous ovules and with laminar placentation
- d) All the above

**Question Number : 85 Question Id : 4165291740 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

*Genera Plantarum* was published by Bentham and Hooker in:

- a) Single volume
- b) Two volumes
- c) Three volumes
- d) Four volumes

**Question Number : 86 Question Id : 4165291741 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 Bentham and Hooker classification of plants, the present day 'orders' were referred to by them as:

- a) Series
- b) Cohorts
- c) Orders
- d) Families

**Question Number : 87 Question Id : 4165291742 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 Bentham and Hooker system, plants having flowers with free petals are placed under:

- a) Monochlamydeae
- b) Monocotyledons
- c) Gamopetalae
- d) Polypetalae

**Question Number : 88 Question Id : 4165291743 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Inferae in Bentham and Hooker system includes:

- a) 6 orders and 34 families
- b) 4 orders and 23 families
- c) 3 orders and 9 families
- d) 5 orders and 27 families

**Question Number : 89 Question Id : 4165291744 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

APG classification deals with:

- a) Angiosperms
- b) Archaeobacteria
- c) Bryophytes
- d) Algae

**Question Number : 90 Question Id : 4165291745 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 APG classification has been proposed by:

- a) Single taxonomist
- b) Few taxonomists from a single country
- c) Few taxonomists from different countries
- d) Large group of taxonomists from different countries

**Question Number : 91 Question Id : 4165291746 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Taxonomic grouping in the APG classification strictly follows the rule of:

- a) Monophyly
- b) Paraphyly
- c) Polyphyly
- d) Multiphyly

**Question Number : 92 Question Id : 4165291747 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Linnaean taxonomic ranks retained in the APG classification are:

- a) Phylum and Class
- b) Class and Order
- c) Order and Family
- d) Phylum and Order

**Question Number : 93 Question Id : 4165291748 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Phenograms are:

- a) Tree diagrams representing relationship between taxa
- b) Gram measure of a phenol containing tissue
- c) Related to flower
- d) Related to phenophases

**Question Number : 94 Question Id : 4165291749 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Character state refers to:

- a) Importance of a particular character
- b) Utility of a character
- c) Presence or absence of a character
- d) Need of a character

**Question Number : 95 Question Id : 4165291750 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Homoplasy can be resulted from the following, except

- a) Parallelism
- b) Convergence
- c) Reversal
- d) Similar ontogeny

**Question Number : 96 Question Id : 4165291751 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 series displaying homologous characters are termed as:

- a) Evolutionary transformation series
- b) Morphoclines
- c) Phenoclines
- d) All of the above

**Question Number : 97 Question Id : 4165291752 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 terms homology and analogy were first used by:

- a) Darwin
- b) Simpson
- c) Mayer
- d) Owen

**Question Number : 98 Question Id : 4165291753 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**

Cladistic classifications are characterized by containing

- a) Strictly monophyletic groups
- b) Monophyletic and paraphyletic groups
- c) Monophyletic and polyphyletic groups
- d) Monophyletic, paraphyletic and polyphyletic groups

**Question Number : 99 Question Id : 4165291754 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0**



Cladistics is used in:

- a) Generating phylogenetic classification
- b) Studies on adaptation, speciation and biogeography
- c) Molecular clock dating
- d) All of the above

**Question Number : 100 Question Id : 4165291755 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 one of the following features is unique to angiosperms?

- a) Seed production
- b) Vascular system
- c) Wind pollination
- d) Double fertilisation