

- Question No.1

Materia Medica, one of the earliest books on botanical studies was written by

**Options :**

1. Pliny
2. Bentham and Hooker
3. Dioscorides
4. Carolus Linnaeus
- 5.

Answer : Dioscorides

- Question No.2

The climate of a country is largely defined by

**Options :**

1. Total rainfall obtained in that area
2. Geographical location and physical features
3. Number of sunshine hours
4. None of the above
- 5.

Answer : Geographical location and physical features

- Question No.3

Following names are associated with numerical taxonomy

**Options :**

1. Linnaeus & Arx
2. Engler & Prantl

3. Bentham & Hooker
4. Sneath & Sokal
- 5.

Answer : Sneath & Sokal

• Question No. 4

The state where less than 500 mm annual rainfall is obtained

**Options :**

1. Rajasthan
2. Tamil Nadu
3. Andhra Pradesh
4. Kerala
- 5.

Answer : Rajasthan

• Question No. 5

Cytoplasmic or extra-nuclear inheritance of color by plastids is observed in

**Options :**

1. Zea mays
2. Mirabilis jalapa
3. Pisum sativum
4. Oryza sativa
- 5.

Answer : Mirabilis jalapa

• Question No. 6

The success of agriculture in India depends primarily on

**Options :**

1. Total rainfall
2. Timely onset of monsoon
3. Distribution of rainfall
4. All the above
- 5.

Answer : All the above

• Question No. 7

When an allele of one gene hides or masks the visible output, or phenotype, of another gene it is known as:

**Options :**

1. Allelomorph
2. Tautomerism
3. Epistasis
4. Allelopathy
- 5.

Answer : Epistasis

• Question No. 8

Extrachromosomal DNA can be found in

**Options :**

1. Mitochondria
2. Chloroplast
3. Plasmids
4. All the above
- 5.

Answer : All the above

- Question No. 9

An area is considered drought stricken, when the annual rainfall is less than

**Options :**

1. 50%
2. 75%
3. 25%
4. 60%
- 5.

Answer : 75%

- Question No. 10

The great Irish famine was caused by

**Options :**

1. Venturia inequalis
2. Yersinia pestis
3. Phytophthora infestans
4. Plasmopora viticola
- 5.

Answer : Phytophthora infestans

- Question No. 11

Following is an example of sedimentary rock

**Options :**

1. Slate
2. Granite
3. Sandstone

4. Pegmatite

5.

Answer : Sandstone

• Question No. 12

Loose smut of wheat is caused by

**Options :**

1. Ustilago tritici

2. Puccinia graminis

3. Amanita muscaria

4. Helminthosporium tritici

5.

Answer : Ustilago tritici

• Question No. 13

A hermaphrodite flower is

**Options :**

1. Bisexual Monoecious

2. Dioecious

3. Bisexual

4. Unisexual

5.

Answer : Bisexual

• Question No. 14

How many pollen grains are developed from a pollen mother cell?

**Options :**

1. 2
2. 4
3. 8
4. 1
- 5.

Answer : 4

• Question No. 15

What is the ploidy of primary endosperm nucleus?

**Options :**

1. Haploid
2. Diploid
3. Triploid
4. Tetraploid
- 5.

Answer : Triploid

• Question No. 16

Gemmae are specialized structures found in

**Options :**

1. Bryophytes
2. Plant viruses
3. Bacteria
4. Actinomycetes
- 5.

Answer : Bryophytes

- Question No. 17

The term anthesis refers to

**Options :**

1. Development of anther
2. Opening of flower
3. Development of fruit
4. Fertilization
- 5.

Answer : Opening of flower

- Question No. 18

Among the following, which is cross pollinated?

**Options :**

1. Rice
2. Wheat
3. Barley
4. Maize
- 5.

Answer : Maize

- Question No. 19

Apomixis refers to

**Options :**

1. Development of seeds after fertilization
2. Development of fruits without fertilization
3. Development of seeds without fertilization

4. Development of gametophytes without meiosis
- 5.

Answer : Development of seeds without fertilization

• Question No. 20

Which crop among the following shows self-incompatibility?

**Options :**

1. Mangol
2. Cocoa
3. Brinjal
4. Wheat
- 5.

Answer : Cocoa

• Question No. 21

Velamen is the multi-layered epidermis formed in the aerial roots of

**Options :**

1. Orchids
2. Bryophytes
3. Xerophytes
4. Mangroves
- 5.

Answer : Orchids

• Question No. 22

Kissan Credit Card system was introduced by



**Options :**

1. State Government
2. Central Government
3. NABARD
4. State bank of India
- 5.

Answer : NABARD

• Question No. 23

T&V system related to agriculture extension was introduced in the year

**Options :**

1. 1984
2. 1974
3. 1964
4. 1954
- 5.

Answer : 1974

• Question No. 24

In bryophytes, when gametophytes produce sporophyte without fusion of gametes it is called as

**Options :**

1. Apogamy
2. Apospory
3. Apomixis
4. Parthenocarpy
- 5.

Answer : Apospory

- Question No. 25

Which of the following is a minor plant nutrient?

**Options :**

1. N
2. P
3. K
4. Mn
- 5.

Answer : Mn

- Question No. 26

The earthy odour after the first shower following a warm dry period is caused by the action of

**Options :**

1. Actinomycetes
2. Algae
3. Fungi
4. Virus
- 5.

Answer : Actinomycetes

- Question No. 27

Which of the following fruit is mostly formed through natural parthenocarpy

**Options :**

1. Cashew
2. Banana
3. Coconut

4. Jackfruit

5.

Answer : Banana

• Question No. 28

Growing grasses in orchards between the trees without tillage or mulching is called

**Options :**

1. Silviculture

2. Apiculture

3. Sod culture

4. Pisciculture

5.

Answer : Sod culture

• Question No. 29

Which of the following is a phytohormone?

**Options :**

1. BA

2. NAA

3. 2, 4-D

4. ABA

5.

Answer : BA

• Question No. 30

In apples, edible part of the fruit develops from which part of flower?

**Options :**

1. Calyx
2. Thalamus
3. Anther
4. Bract
- 5.

Answer : Thalamus

• Question No. 31

Father of green revolution in India

**Options :**

1. Norman Ernest Borlaug,
2. M. S. Swaminathan
3. Theophrastus
4. Sunderlal Bahuguna
- 5.

Answer : M. S. Swaminathan

• Question No. 32

Following term describes the transfer of pollen from the anther of one flower of a plant to the stigma of another flower of a different plant.

**Options :**

1. Xenogamy
2. Geitonogamy
3. Autogamy
4. None of the above
- 5.

Answer : Xenogamy

- Question No. 33

During germination, seeds absorb water by

**Options :**

1. Capillary action
2. Imbibition
3. Plasmolysis
4. Infiltration
- 5.

Answer : Imbibition

- Question No. 34

Which term describes uncoiling of buds in ferns?

**Options :**

1. Circadian rhythm
2. Aestivation
3. Circinate veneration
4. Spiral phyllotaxis
- 5.

Answer : Circinate veneration

- Question No. 35

In rice, 'Dee-geo-woo-gen' is a source of

**Options :**

1. Dwarfing gene

2. High yield
3. Talling gene
4. Disease resistant gene
- 5.

Answer : Dwarfing gene

• Question No. 36

Botanical name of oats is

**Options :**

1. Oryza sativa
2. Avena sativa
3. Hordeum vulgare
4. Triticum aestivum
- 5.

Answer : Avena sativa

• Question No. 37

Which of the following is considered as an ancestor of angiosperm due to presence of vessels?

**Options :**

1. Araucaria
2. Cycas
3. Cedrus
4. Gnetum
- 5.

Answer : Gnetum

• Question No. 38

Chromosome number of diploid rice is

**Options :**

1. 32
2. 42
3. 24
4. 62
- 5.

Answer : 24

- Question No. 39

The type of inflorescence in carrot is

**Options :**

1. Umbel
2. Spike
3. Panicle
4. Raceme
- 5.

Answer : Umbel

- Question No. 40

When male flowers are borne on one plant and female flower on a different plant the species is

**Options :**

1. Monoecious
2. Heteroecious
3. Dioecious
4. Heterogamous
- 5.

Answer : Dioecious

- Question No. 41

The line connecting the regions of equal rainfall is called as

**Options :**

1. Isothermal
2. Isorain
3. Isohyet
4. Isoprecipitation
- 5.

Answer : Isohyet

- Question No. 42

Seeds which survive freezing or drying conditions for long periods with longer lifespan are

**Options :**

1. Orthodox seeds
2. Recalcitrant seeds
3. Paradox seeds
4. None of the above
- 5.

Answer : Orthodox seeds

- Question No. 43

The book "The one straw revolution" was written by

**Options :**

1. Norman Borlaug



2. M.S Swaminathan
3. Aristotle
4. Masanobu Fukuoka
- 5.

Answer : Masanobu Fukuoka

• Question No. 44

Some plants exude water in liquid form through specialized openings called

**Options :**

1. Lenticels
2. Hydathodes
3. Pneumatophores
4. All the above
- 5.

Answer : Hydathodes

• Question No. 45

The following is called Ceara rubber tree

**Options :**

1. Taraxacum kok-saghyz
2. Castilla elastica
3. Manihot glaziovii
4. Parthenium argentatum
- 5.

Answer : Manihot glaziovii

• Question No. 46

The word "Agriculture" came from which language?

**Options :**

1. English
2. Spanish
3. Greek
4. Latin
- 5.

Answer : Latin

- Question No. 47

In Krebs Cycle, the initial step in the oxidation of pyruvate is its conversion to

**Options :**

1. Acetyl-CoA
2. Malic Acid
3. Succinic Acid
4. Citric Acid
- 5.

Answer : Acetyl-CoA

- Question No. 48

Virus that infect plants mostly have genetic material in the form of

**Options :**

1. Double stranded DNA
2. Double Stranded RNA
3. Circular DNA
4. Single stranded RNA
- 5.

Answer : Double stranded DNA

- Question No. 49

Which are the basic resources for agriculture?

**Options :**

1. Soil, seed fertilizer
2. Money, seed, fertilizer
3. Land, air, water
4. Land, fertilizer, water
- 5.

Answer : Soil, seed fertilizer

- Question No. 50

Which of the following is correct?

**Options :**

1. Climate refers to short duration and weather refers to long duration
2. Climate refers to long duration and weather refers to short duration
3. Climate refers to medium duration and weather refers to long duration
4. Weather refers to medium duration and climate refers to long duration
- 5.

Answer : Climate refers to long duration and weather refers to short duration

- Question No. 51

The alternate forms of a gene is called

**Options :**

1. Allele

2. Mutant
3. Intron
4. Exon
- 5.

Answer : Allele

- Question No. 52

Imperfect fungi reproduce by:

**Options :**

1. Oospores
2. Ascospores
3. Basidiospores
4. Conidiospores
- 5.

Answer : Conidiospores

- Question No. 53

Pedology is a science related to

**Options :**

1. Climate
2. Soil
3. Air
4. Water
- 5.

Answer : Soil

- Question No. 54

Fireflies light up due to the activity of the following chemical

**Options :**

1. Camphor
2. Radium
3. Luciferin
4. Chlorophyll
- 5.

Answer : Luciferin

- Question No. 55

Chir pine is common name of:

**Options :**

1. Pinus roxburghii
2. Pinus wallichiana
3. Pinus mungo
4. Pinus sylvestris
- 5.

Answer : Pinus roxburghii

- Question No. 56

Bordeaux mixture was invented by

**Options :**

1. Joseph priestly
2. Paul Muller
3. Kary Mullis
4. Pierre- Marie-Alexis Millardet
- 5.

Answer : Pierre- Marie-Alexis Millardet

- Question No. 57

The movement of leaf in the plant Mimosa pudica is referred as

**Options :**

1. Siesmonasty
2. Epinasty
3. Nyctinasty
4. Photonasty
- 5.

Answer : Siesmonasty

- Question No. 58

Aflatoxin is produced by

**Options :**

1. Algae
2. Fungi
3. Bacteria
4. Virus
- 5.

Answer : Fungi

- Question No. 59

The first agricultural university in India was established during

**Options :**

1. 1970

2. 1975
3. 1955
4. 1960
- 5.

Answer : 1960

- Question No. 60

Largest producer of Rice in the world is

**Options :**

1. China
2. India
3. Thailand
4. Philippines
- 5.

Answer : China

- Question No. 61

Fibre of economic importance which is derived from which part of cotton plant

**Options :**

1. Epidermis
2. Xylem
3. Phloem
4. Root
- 5.

Answer : Epidermis

- Question No. 62

Which of the following is correct in case of seedlings?

**Options :**

1. Yellowing of younger leaves is due to the deficiency of mobile nutrients
2. Yellowing of older leaves is due to the deficiency of mobile nutrients
3. Yellowing of older leaves is due to the deficiency of immobile nutrients
4. None of the above
- 5.

Answer : Yellowing of older leaves is due to the deficiency of mobile nutrients

- Question No. 63

Transfer cells are highly specialized plant cells which are involved in

**Options :**

1. Transfer of gametes
2. Transfer of tRNA
3. Transport of nutrients
4. None of the above
- 5.

Answer : Transport of nutrients

- Question No. 64

Syconium is a type of inflorescence observed in

**Options :**

1. Ficus
2. Michelia
3. Piper
4. Xylia
- 5.



Answer : Ficus

- Question No. 65

Planting system recommended for trees grown in hilly areas is

**Options :**

1. Square system
2. Rectangular system
3. Contour system
4. Quincunx system
- 5.

Answer : Contour system

- Question No. 66

Among the following irrigation systems, which is most efficient and economical?

**Options :**

1. Basin method
2. Furrow irrigation
3. Drip irrigation
4. Sprinkler irrigation
- 5.

Answer : Drip irrigation

- Question No. 67

Overlapping zone between two ecosystems is

**Options :**

1. Ecotone

2. Biome
3. Niche
4. Photic zone
- 5.

Answer : Ecotone

- Question No. 68

Nilgiri Khapli and Pusa Kiran are the varieties of

**Options :**

1. Rice
2. Wheat
3. Bajra
4. Barley
- 5.

Answer : Wheat

- Question No. 69

Which of the following category of seeds have maximum purity

**Options :**

1. Breeder seed
2. Foundation seed
3. Certified seed
4. Nucleus seed
- 5.

Answer : Nucleus seed

- Question No. 70

Which is a contact insecticide?

**Options :**

1. Quinolphos
2. Carbofuron
3. Fenazaquin
4. Dimethoate
- 5.

Answer : Quinolphos

- Question No. 71

Ti plasmids are found in which of the following

**Options :**

1. Azospirillum
2. Escherichia
3. Agrobacterium
4. Frankia
- 5.

Answer : Agrobacterium

- Question No. 72

Nilaparvata lugens is a pest of

**Options :**

1. Paddy
2. Wheat
3. Maize
4. Sorghum
- 5.

Answer : Paddy

- Question No. 73

B-glucuronidase gene is a

**Options :**

1. Reporter gene
2. Marker gene
3. Microsatellite
4. Transgene
- 5.

Answer : Reporter gene

- Question No. 74

Which country is known as the land of thunder bolts?

**Options :**

1. China
2. Bhutan
3. Magnolia
4. Thailand
- 5.

Answer : Bhutan

- Question No. 75

Light reaction resulting in the production of ATP and NADPH takes place in

**Options :**

1. Stoma

2. Golgi apparatus
3. Endoplasmic reticulum
4. Grana
- 5.

Answer : Grana

- Question No. 76

Which is the capital of Uttarakhand?

**Options :**

1. Nainital
2. Mussoorie
3. Dehradun
4. None of the above
- 5.

Answer : Dehradun

- Question No. 77

Reserpine drug is extracted from:

**Options :**

1. Rauwolfia
2. Atropa
3. Solanum
4. Withania
- 5.

Answer : Rauwolfia

- Question No. 78

Which river in the world holds the highest volume of water?

**Options :**

1. River Nile
2. Missouri Mississippi
3. River Amazon
4. Ganga
- 5.

Answer : River Amazon

- Question No. 79

Leaf tip is modified as tendrils in

**Options :**

1. Gloriosa
2. Pisum
3. Tinospora
4. Smilax
- 5.

Answer : Gloriosa

- Question No. 80

Who is the present Agriculture Minister of India?

**Options :**

1. Amit Shah
2. Narendra Singh Thomar
3. Nitin Gadkari
4. Sarbanada Sonowal
- 5.

Answer : Narendra Singh Thomar

- Question No. 81

Barbara McClintok is associated with

**Options :**

1. Transposons
2. Recons
3. Introns
4. Exons
- 5.

Answer : Transposons

- Question No. 82

One hectare is equivalent to

**Options :**

1. 1000 square meters
2. 2.5 acre
3. 100 are
4. All the above
- 5.

Answer : 2.5 acre

- Question No. 83

Final product of Calvin cycle is

**Options :**

1. RuBP

2. ATP
3. PGA
4. GTP
- 5.

Answer : PGA

• Question No. 84

Cross between a homozygous recessive and a corresponding suspected heterozygote is called

**Options :**

1. Test cross
2. Back cross
3. Double cross
4. Recessive cross
- 5.

Answer : Test cross

• Question No. 85

Which of the following is not naturally distributed in India?

**Options :**

1. Pigeon pea
2. Black Pepper
3. Jack fruit
4. Para rubber tree
- 5.

Answer : Para rubber tree

• Question No. 86



Winged pollen grains are found in

**Options :**

1. Pinus sylvestris
2. Hevea brasiliensis
3. Equisetum
4. Riccia
- 5.

Answer : Pinus sylvestris

- Question No. 87

International Rice Research Institute is located at

**Options :**

1. France
2. Mexico
3. Argentina
4. Philippines
- 5.

Answer : Philippines

- Question No. 88

In which of the following processes molybdenum has an important role?

**Options :**

1. Nitrogen fixation
2. Flower induction
3. Chromosome contraction
4. Carbon assimilation
- 5.

Answer : Nitrogen fixation

- Question No. 89

National Dairy Research Institute is at

**Options :**

1. Mattupetty
2. Karnal
3. Pusa
4. Bangalore
- 5.

Answer : Karnal

- Question No. 90

The National Botanical Research Institute is located in:

**Options :**

1. Lucknow
2. New Delhi
3. Kolkata
4. Bangalore
- 5.

Answer : Lucknow

- Question No. 91

The International Union for the Protection of New Varieties of Plants (UPOV) is an intergovernmental organization with headquarters in

**Options :**

1. Switzerland
2. Austriae
3. Rome
4. Australia
- 5.

Answer : Switzerland

• Question No. 92

Kyoto Protocol is an international treaty related to

**Options :**

1. Sharing benefits of genetic resources
2. International stem cell research
3. Global warming and greenhouse gas
4. Genetic engineering research
- 5.

Answer : Global warming and greenhouse gas

• Question No. 93

Proteins which allow corona virus to latch onto host cells and crack them open for infection are:

**Options :**

1. Nucleoproteins
2. Envelope proteins
3. Cellulolytic proteins
4. Spike proteins
- 5.

Answer : Spike proteins

- Question No. 94

In May 2021, which country successfully achieved landing of unscrewed spacecraft on Mars?

**Options :**

1. China
2. Russia
3. United States of America
4. India
- 5.

Answer : China

- Question No. 95

World Environment Day is celebrated on which day?

**Options :**

1. 5 July
2. 5 May
3. 5 June
4. 15 September
- 5.

Answer : 5 June

- Question No. 96

Sadbhavna Diwas' is celebrated with an objective to encourage national integration, peace, affection, and communal harmony among people of all religions on which day?

**Options :**

1. 20 September
2. 31 August

3. 30 October

4. 20 August

5.

Answer : 20 August

• Question No. 97

Which is the first genetically modified tree planted under confined field conditions in India?

**Options :**

1. Tectona grandis

2. Mangifera indica

3. Hevea brasiliensis

4. Malus domestica

5.

Answer : Hevea brasiliensis

• Question No. 98

The term "handled the ball" is used in which game?

**Options :**

1. Cricket

2. Football

3. Volley Ball

4. Basket Ball

5.

Answer : Cricket

• Question No. 99

Which player has maximum Grand Slam Single Titles in tennis?

**Options :**

1. Boris Becker
2. Pete Sampras
3. Novak Djokovic
4. Rafael Nadal
- 5.

Answer : Rafael Nadal

• Question No. 100

Which scheme is the initiative of Central Government related to India's independence?

**Options :**

1. Pradhan Mantri Kaushal Vikas Yojana
2. Azadi Ka Amrit Mahotsav
3. Pradhan Mantri Azadi Vikas Yojana
4. Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY)
- 5.

Answer : Azadi Ka Amrit Mahotsav

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