

PROVISIONAL ANSWER KEY

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Question1:-Which one of the following place will never get the vertical rays of the sun ?

- A:-Srinagar
- B:-Chandigarh
- C:-Kolkata
- D:-Mumbai

Correct Answer:- Option-A

Question2:-The minimum distance between the sun and earth occurs on

- A:-July – 4
- B:-June – 21
- C:-December – 22
- D:-January –3

Correct Answer:- Option-D

Question3:-The fundamental duties of the constitution were incorporated on the recommendations of

- A:-Ashok Mehta Committee
- B:-Swaram Singh Committee
- C:-Gowardhan Mehta Committee
- D:-Jithender Singh Committee

Correct Answer:- Option-B

Question4:-The Bardoli Satyagraha was launched in the year

- A:-1918
- B:-1925
- C:-1919
- D:-1928

Correct Answer:- Option-D

Question5:-Which of the following is not an air pollutant ?

- A:-Carbon di-oxide
- B:-Nitrogen gas
- C:-Smoke
- D:-Sulphur Dioxide

Correct Answer:- Option-B

Question6:-The remarriage of Hindu widows was first legalised during the Governor-Generalship of

- A:-Lord Canning
- B:-Lord William Bentick
- C:-Lord Dalhousi
- D:-Lord Robert Clive

Correct Answer:- Option-A

Question7:-Which of the following has maximum speed ?

- A:-Sound
- B:-Air
- C:-Light
- D:-Tornado

Correct Answer:- Option-C

Question8:-Who observed "The Congress is in reality a Civil War without arms" ?

- A:-Lord Curzon
- B:-M.A. Jinnah
- C:-Lord Dufferin
- D:-Sir Syed Ahmed Khan

Correct Answer:- Option-D

Question9:-Which of the following states has declared a ban on the use of plastic in the state for the first time ?

- A:-Gujrath
- B:-Kerala
- C:-Maharashtra
- D:-Punjab

Correct Answer:- Option-A

Question10:-The Union Health Ministry announced a plant to eliminate Malaria from the country by

- A:-2020
- B:-2025
- C:-2028
- D:-2033

Correct Answer:- Option-D

Question11:-Who was the first Muslim President of Indian National Congress ?

- A:-Badruddin Taiyabji
- B:-M.A. Jinnah
- C:-Syed Aghmed Khan
- D:-Abdul Kalam Azad

Correct Answer:- Option-A

Question12:-August 9, 1925 is known in the Indian history for which of the following incidences ?

- A:-The seize of cawnpore
- B:-Kakori Train Robbery
- C:-Chauri chaura incidence
- D:-Swarajist party formation

Correct Answer:- Option-B

Question13:-Which of the following charter Acts ended the commercial monopoly of East India Company in India ?

- A:-Charter Acts of 1793
- B:-Charter Acts of 1853
- C:-Charter Acts of 1813
- D:-Charter Acts of 1833

Correct Answer:- Option-C

Question14:-Who wrote the book "Mokshapradipam" ?

- A:-Chattampi Swamikal
- B:-Thycaud Ayya
- C:-Brahmananda Swami Shiva Yogi
- D:-Ayya Vaikundar

Correct Answer:- Option-C

Question15:-Whose birthday and death anniversary are observed as holiday in Kerala ?

- A:-Ayyankali
- B:-Sree Narayana Guru
- C:-Swami Vivekanandan
- D:-Sree Sankaracharya

Correct Answer:- Option-B

Question16:-Who is known as the "Political father of Ezhaves" ?

- A:-Sree Narayana Guru
- B:-Kumaravasan
- C:-Ayyathan Gopalan
- D:-Dr. Palpu

Correct Answer:- Option-D

Question17:-Gandhiji visited Ayyankali in the year

- A:-1922
- B:-1934
- C:-1925
- D:-1932

Correct Answer:- Option-B

Question18:-Who is the first president of Travancore Devasam Board ?

- A:-Mannathu Padmanabhan
- B:-C. Kesavan
- C:-Prayer Gopalakrishnan
- D:-Ayyathan Gopalan

Correct Answer:- Option-A

Question19:-India Sagree Dam located in which of the following river ?

- A:-Yamuna
- B:-Chambal
- C:-Narmada
- D:-Krishna

Correct Answer:- Option-C

Question20:-Aizawl is situated on which of the following river bank ?

- A:-Meghna
- B:-Irawadi
- C:-Tlawng river
- D:-Luni

Correct Answer:- Option-C

Question21:-The horticulture crop having the highest productivity

- A:-Banana
- B:-Pineapple
- C:-Mango
- D:-Apple

Correct Answer:- Option-A

Question22:-Genome composition of Poovan variety of Banana

- A:-AA
- B:-AAA
- C:-AAB
- D:-AAAA

Correct Answer:- Option-C

Question23:-A plant growth regulator considered as growth retardant.

- A:-PCPA
- B:-NAA
- C:-CCC
- D:-IBA

Correct Answer:- Option-C

Question24:-A jack variety released from Keral Agricultural University having red flesh

- A:-Theen Varikka
- B:-Muttom Verikka
- C:-Red Lady
- D:-Sindhoor

Correct Answer:- Option-D

Question25:-The parentage of mango variety Ratana

- A:-Neelum x Alphonso
- B:-Deshari x Neelum
- C:-Mallika x Alphonso
- D:-Deshari x Alphonso

Correct Answer:- Option-A

Question26:-A variety of Banana most suitable for export

- A:-Poovan
- B:-Nenthran
- C:-Grand Nine
- D:-Robusta

Correct Answer:- Option-C

Question27:-The parentage of coconut hybrid Kera Ganga

- A:-LO x GB
- B:-WCT x CDO
- C:-WCT x CDG
- D:-WCT x GB

Correct Answer:- Option-D

Question28:-A coconut variety reported to have tolerance to coconut root-wilt disease.

- A:-T x D Hybrid
- B:-NCD
- C:-Malyan Green Dwarf
- D:-Malyan Orange Dwarf

Correct Answer:- Option-C

Question29:-A coconut variety having a knob in one of the chromosomes.

A:-WCT

B:-Lakshadeep Ordinary

C:-Gangabanthum

D:-Spiketa

Correct Answer:- Option-D

Question30:-A chemical widely used to induce flowering in mango in high density planting.

A:-GA 3

B:-Paclobutrazol

C:-NAA

D:-Ethrel

Correct Answer:- Option-B

Question31:-Garlic crop does not produce seeds due to

A:-Male sterility

B:-Self incompatibility

C:-Protogyny

D:-Meiotic irregularity

Correct Answer:- Option-D

Question32:-Spotted wilt virus is a common disease of

A:-Tomato

B:-Water melon

C:-Cucumber

D:-Cow pea

Correct Answer:- Option-A

Question33:-Butter bean is a cultivar of

A:-Lima bean

B:-Broad bean

C:-Field bean

D:-French bean

Correct Answer:- Option-D

Question34:-Shogoin is a gynoecious cultivar of

A:-Cucumber

B:-Watermelon

C:-Snake gourd

D:-Pumpkin

Correct Answer:- Option-A

Question35:-A variety of pumpkin belongs to Cucurbita maxima

A:-Arka Chadan

B:-Arka Suryamuki

C:-Ambily

D:-Saras

Correct Answer:- Option-B

Question36:-Seed rate per hectare for okra is

A:-7-8 kg

B:-4-5 kg

C:-15-18 kg

D:-20-22 kg

Correct Answer:- Option-A

Question37:-A species of Amaranth grown for grain

A:-Amarathus tricolor

B:-A. dubious

C:-A. viridus

D:-A. hypochondriacos

Correct Answer:- Option-D

Question38:-Extent of heterosis reported in chilli is

A:-50%

B:-75%

C:-200%

D:-250%

Correct Answer:- Option-B

Question39:-Basic chromosome number of Solonum tuberosum

A:-10

B:-12

C:-6

D:-14

Correct Answer:- Option-B

Question40:-Concentric fruit craking is a disorder in tomato due to

A:-Over irrigation

B:-Delayed planting

C:-Genetic factors

D:-High temperature

Correct Answer:- Option-C

Question41:-Varieties developed by systematic breeding effort, once commercially estimated but no more grown

A:-land races

B:-obsolete varieties

C:-breeding lines

D:-wild forms

Correct Answer:- Option-B

Question42:-The gradual loss of variability from cultivated species, and their wild forms and wild relatives

A:-gene pool

B:-acclimatisation

C:-genetic erosion

D:-gene bank

Correct Answer:- Option-C

Question43:-The scientist who proposed the eight main centres of origin of cultivated plants

A:-Vavilov

B:-Harlan

C:-Darwin

D:-Mendel

Correct Answer:- Option-A

Question44:-A cross in which more than two parents are mated to produce a hybrid

A:-Complex cross

B:-Simple cross

C:-Intervarietal cross

D:-Interspecific cross

Correct Answer:- Option-A

Question45:-Inbreeding depression is more in

A:-self-pollinated crops

B:-often cross pollinated crops

C:-homogenous populations

D:-cross pollinated crops

Correct Answer:- Option-D

Question46:-In back cross breeding, the recurrent parent is otherwise known as

A:-receptient parent

B:-donor parent

C:-top cross parent

D:-male parent

Correct Answer:- Option-A

Question47:-Mutation frequency is higher in

A:-spontaneous mutations

B:-induced mutations

C:-nonsense mutations

D:-vital mutations

Correct Answer:- Option-B

Question48:-D × T hybrids are produced for exploitation of heterosis in

A:-tapioca

B:-rice

- C:-maize
- D:-coconut

Correct Answer:- Option-D

Question49:-A single superior plant selected from a variable population can form the basis of a new variety (under conventional method)

- A:-topioca
- B:-rice
- C:-maize
- D:-coconut

Correct Answer:- Option-A

Question50:-Higher leaf number and early leaf splitting denote quality scedlings in

- A:-topioca
- B:-rice
- C:-maize
- D:-coconut

Correct Answer:- Option-D

Question51:-Minimum isolation distance for certified seed production will be higher in

- A:-self-pollinated crops
- B:-cross pollinated crops
- C:-often cross pollinated crops
- D:-vegetatively propogated crops

Correct Answer:- Option-B

Question52:-The removal of smaller and shrivelled seeds from well-filled healthy seeds is termed

- A:-grading
- B:-cleaning
- C:-treating
- D:-testing

Correct Answer:- Option-A

Question53:-One of the following is not a seed production organization

- A:-NSC
- B:-SSC
- C:-SSCA
- D:-WWF

Correct Answer:- Option-D

Question54:-The 'real value' of seed is the product of

- A:-purity % and viability %
- B:-purity % and germination %
- C:-germination % and viability %
- D:-germination % and moisture content

Correct Answer:- Option-B

Question55:-Which of the following is not patentable

- A:-a substance isolated from nature
- B:-the novel process used for isolation
- C:-artificially synthesised gene
- D:-novel process for genetic modification of gene

Correct Answer:- Option-A

Question56:-One of the following is not a criterion that a plant variety must satisfy for claiming protection under UPOV 1991 Act.

- A:-Distinctiveness
- B:-Uniformity
- C:-Stability
- D:-Variability

Correct Answer:- Option-D

Question57:-A crop that shows protogyny is

- A:-topioca
- B:-maize
- C:-coconut
- D:-rice

Correct Answer:- Option-A

Question58:-The minimum number of field inspections essential for seed certification is higher in

- A:-self-pollinated crops
- B:-cross-pollinated crops
- C:-often cross-pollinated crops
- D:-vegetatively propagated crops

Correct Answer:- Option-B

Question59:-This quality seed class is essentially under the direct supervision of the originating breeder

- A:-Breeder seed
- B:-Foundation seed
- C:-Registered seed
- D:-Certified seed

Correct Answer:- Option-A

Question60:-The percentage seed germination required for certification in rice is

- A:-65%
- B:-70%
- C:-75%
- D:-80%

Correct Answer:- Option-D

Question61:-A rice variety resistant to gall midge

- A:-Jyothi
- B:-Kanchana
- C:-Nila
- D:-Pavitra

Correct Answer:- Option-D

Question62:-The biocontrol agent used for the management of coconut rhinoceros beetle

- A:-Beauveria
- B:-Metarhizium
- C:-Paecilomyces
- D:-Bacillus thuringiensis

Correct Answer:- Option-B

Question63:-The ETL for rice stem borer at mid tillering stage is

- A:-10% dead heart
- B:-5% dead heart
- C:-2 moths /M⁽²⁾
- D:-1 egg / M⁽²⁾

Correct Answer:- Option-A

Question64:-The chemical group which mimic the action of Acetyl choline is

- A:-Organophosphates
- B:-Pyrethrins
- C:-Avermectins
- D:-Neonicotinoids

Correct Answer:- Option-D

Question65:-The mite pest that cause severe malformation of tender parts of vegetables similar to viral infection symptoms is

- A:-Tetranychus sp.
- B:-Polyphagotarsonemus latus
- C:-Raoiella indica
- D:-Oligonychus indicus

Correct Answer:- Option-B

Question66:-A vitamin used as a rat poison is

- A:-Vit. K3
- B:-Vit. K1
- C:-Vit. B12
- D:-Vit. D1

Correct Answer:- Option-D

Question67:-The biological control agent used for managing nematodes is

- A:-Verticillium chlamydosporium
- B:-Paecilomyces lilacinus
- C:-Bacillus macerans

D:-All these

Correct Answer:- Option-D

Question68:-A fumigant used for managing storage pests which is known to deplete ozone layer is

A:-Ethylene dibromide

B:-Carbon tetrachloride

C:-Methyl bromide

D:-Phosgene

Correct Answer:- Option-C

Question69:-The spray droplet size in low volume spray ranges from

A:-20-50 microns

B:-50-150 microns

C:-100-200 microns

D:-20-150 microns

Correct Answer:- Option-D

Question70:-The pest which cause immature nutfall in arecanut is

A:-Mircarvalhoia arecae

B:-Halyomorpha marmorea

C:-Aspidiotus destructor

D:-Aspongopus janus

Correct Answer:- Option-B

Question71:-The casual organism of amaranthus leaf blight is

A:-Rhizoctonia

B:-Fusarium

C:-Phyllosticta

D:-Cercospora

Correct Answer:- Option-A

Question72:-The group of fungicides which could manage both downy mildew at the same time is

A:-Carboxamides

B:-Phenyl urea

C:-Strobilurins

D:-Triazoles

Correct Answer:- Option-C

Question73:-Greenish grey irregular lesions with dark line on leaf margins, lesions large and develop indefinitely on older plants is the symptom of

A:-Rice blast

B:-Rice sheath blight

C:-Bacterial leaf blight

D:-Leaf scald

Correct Answer:- Option-B

Question74:-The causal organism of charcoal pod rot of cocoa is

A:-P.palmivora

B:-B. theobromae

C:-C. gloeosporioides

D:-Diplodia natalensis

Correct Answer:- Option-A

Question75:-A self motile asexual spore is called

A:-Zoospore

B:-Zygospore

C:-Chlamydospore

D:-Ascospore

Correct Answer:- Option-A

Question76:-The chemical suitable for managing diseases caused by fungi belonging to the class Oomycetes is

A:-Dimethomorph

B:-Propiconazole

C:-Myclobutanil

D:-Triadimefon

Correct Answer:- Option-A

Question77:-The disease in which black powdery mass of spores are produced by the fungus is known as

A:-Rust

B:-Smut

C:-Anthracnose

D:-Scab

Correct Answer:- Option-B

Question78:-Siderophores are produced by *P. fluorescens* which

A:-induced systemic resistance in host plants

B:-sequester iron

C:-have antibiotic properties

D:-compete for nutrition and food with pathogens

Correct Answer:- Option-B

Question79:-Sulphur containing fungicides are mainly used for the management of

A:-Downy mildews

B:-Powdery mildews

C:-Rusts

D:-Anthracnose

Correct Answer:- Option-A

Question80:-The causal organism of blister blight of tea is

A:-*Pestalotia theae*

B:-*Phellinus noxius*

C:-*Exobasidium vexans*

D:-*Hemileia vastatrix*

Correct Answer:- Option-C

Question81:-Latest element added to the list of essential for plant growth is

A:-Ni

B:-Mo

C:-Cu

D:-Zn

Correct Answer:- Option-A

Question82:-The most popular and important soil and water conservation method practiced in India is

A:-Compartmental bunding

B:-Bench terracing

C:-Strip cropping

D:-Contour bunding

Correct Answer:- Option-D

Question83:-Goal 23.5% Ec is a commercial formation of _____ herbicide

A:-Diuron

B:-Glyphosate

C:-Pendimethalin

D:-Oxyfluorfen

Correct Answer:- Option-D

Question84:-A selective post emergence herbicide recommended for the control of *Echinochloa* species in rice crop is

A:-Butachlor

B:-2,4, -D

C:-Cyhalofop butyl

D:-Glyphosate

Correct Answer:- Option-C

Question85:-The average C:N ratio of the top most plough depth layer of soil varies from

A:-20:1 to 30:1

B:-10:1 to 12:1

C:-30:1 to 40:1

D:-100:1 to 110:1

Correct Answer:- Option-B

Question86:-The WR (Water Requirement) of sugarcane crop with a growing duration of 300 days is ____ mm

A:-500

B:-1000

C:-1500

D:-2000

Correct Answer:- Option-C

Question87:-Low salinity water which is good for most crops and soils has an EC range ($d^{\circ}S^{-1}$) of

- A:-0.25 – 0.75
- B:-0.75 – 2.25
- C:-2.25 – 3.00
- D:-less than 0.25

Correct Answer:- Option-D

Question88:-The ideal IW/CPE ratio for scheduling irrigation for cowpea crop is 0.6. If required CPE is 50 mm, _____ is the depth of water (IW) to be provided for the irrigation

- A:-50 mm
- B:-40 mm
- C:-30 mm
- D:-15 mm

Correct Answer:- Option-C

Question89:-The maximum amount of water that a soil will after allowing free drainage is known as

- A:-Permanent wilting point
- B:-Field capacity
- C:-Hygroscopic water
- D:-Unavailable water

Correct Answer:- Option-B

Question90:-_____ is the rotation of arable crops requiring annual cultivation with grasses for two years or longer for improving the physical, chemical and biological properties of soil.

- A:-Relay cropping
- B:-Intensive farming
- C:-Mixed farming
- D:-Ley farming

Correct Answer:- Option-D

Question91:-A high yielding variety of cassava maturing in 5-6 months

- A:-H-4
- B:-Sree Visakhm
- C:-Vellayani Hraswa
- D:-H-226

Correct Answer:- Option-C

Question92:-If elephant foot yam is planted at 1m x 1m spacing, the number of plants in hectare would be

- A:-1,000
- B:-10,000
- C:-1,00,000
- D:-10,00,000

Correct Answer:- Option-B

Question93:-The seed rate for dibbling paddy in one hectare is

- A:-60-70 kg
- B:-80-90 kg
- C:-100-110 kg
- D:-110-120 kg

Correct Answer:- Option-B

Question94:-The N : P₂O₅ : K₂O recommended for a crop of cowpea in one ha is

- A:-20-20-20 kg
- B:-20-30-30 kg
- C:-30-30-30 kg
- D:-20-30-10 kg

Correct Answer:- Option-D

Question95:-The decline in crop yield in India due to depletion of soil organic matter amounts to

- A:-10%
- B:-20%
- C:-30%
- D:-40%

Correct Answer:- Option-C

Question96:-A form of sustainable agriculture that optimize local resource utilization including social and human resources, but the use of external inputs are not excluded and seen as complementary to the use of local resources is known as

- A:-organic farming
- B:-biological farming
- C:-HEIA

D:-LEISA

Correct Answer:- Option-D

Question97:-A biological agent commonly used for the control of a number of disease incited by species of Phytophthora, Pythium, Rhizoctonia, Colletotrichum, Ralstonia, Xanthomonas etc. is

A:-Verticillium lecanii

B:-Trichogramma chilonis

C:-Elasmus nephantidis

D:-Pseudomonas fluorescens

Correct Answer:- Option-D

Question98:-If cassava is repetitively grown on the same land year after year, the practice is called as

A:-Crop rotation

B:-Monocropping

C:-Multiple cropping

D:-Relay cropping

Correct Answer:- Option-B

Question99:-The relative land area under sole crop required to give the same yield as obtained under a mixed or intercropping system at the same level of management is called

A:-Relative yield total

B:-Land equivalent coefficient

C:-Land equivalent ratio

D:-Crop equivalent yield

Correct Answer:- Option-C

Question100:-A land management system in which forests are managed for the production of wood as well as for rearing domesticated animals is known as

A:-Silvi-pastoral system

B:-Agri-silvi-pastoral system

C:-Ley farming

D:-Homestead farming

Correct Answer:- Option-A