

ICAR PG Entrance 2023 Mock Exam

General Agriculture

Answer Key

'Green House Gas Bulletin' is released by which International Organization

- A) Food and Agricultural Organisation (FAO)
- B) World Meteorological Organisation(WMO)
- C) Greenpeace
- D) Intergovernmental Panel on Climate Change

ANSWER: B

A disease that is permanently present in a locality in mild or severe form is

- A) Epidemic
- B) Pandemic
- C) Endemic
- D) Sporadic

ANSWER: C

A homozygous line develop by self-fertilization in a cross pollinated crop is termed as

- A) Clone
- B) Inbred
- C) Pure line
- D) Mutant

ANSWER: C

Act of Parturition in pig

- A) Lamping
- B) Kidding
- C) Farrowing
- D) Hatching

ANSWER: C

Agricultural produce and livestock marketing (promotion and Facilitation) Act was enacted in the year

- A) 2013
- B) 2012

C) 2017

D) 2014

ANSWER: C

Agronomic measures are adopted where slopes are less than percentage

A) $\leq 2\%$.

B) $> 3\%$

C) $> 4\%$

D) $> 5\%$

ANSWER: A

An estate where a cash crop is grown for sale is known as

A) Kitchen garden

B) Horticulture farming

C) Slash and burn farming

D) Subsistence farming

ANSWER: B

ATMA stands for

A) Agricultural Technology Management Agency

B) Agricultural Technology Management Authority

C) Agricultural Technology Mission Authority

D) None of these

ANSWER: A

Brown heart in radish is due to.. deficiency

A) B

B) Ca

C) Mo

D) Zn

ANSWER: A

Cation exchange capacity is highest in

A) Kaolinite

B) Illite

C) Humus

D) Montmorillonite

ANSWER: A

Cell wall of bacteria is chemically composed of ----

- A) Peptidoglycan
- B) Chitin
- C) Arthrobacter
- D) Lignins

ANSWER: A

Chromosome number of potato is

- A) 12
- B) 24
- C) 48
- D) 36

ANSWER: C

Collar and dry root rot of Groundnut is caused by ---

- A) *Aspergillus niger*
- B) *Cercospora personata*
- C) *Collectotrichum falcatum*
- D) None of these

ANSWER: A

Community Development Programme(CDP) was started in India in the year.....

- A) 1950
- B) 1956
- C) 1952
- D) 1962

ANSWER: C

Components of a market:

- A) The existence of buyers and sellers
- B) Business relationship for intercourse between buyers and sellers
- C) Demarcation of area
- D) All of these

ANSWER: D

Crazy chick disease is caused by deficiency of.

- A) Selenium
- B) Vitamin E
- C) Vitamin K
- D) Calcium

ANSWER: B

Criteria to become a forest cover

- A) Sub-Mission on Skill Development, Technology Transfer and Extension
- B) Area should be more than 2.5 hectare
- C) Canopy should be more than 10%
- D) Both 1 & 2

ANSWER: D

Crystallization of Tobacco mosaic virus (TMV) is done by

- A) Burill (1978)
- B) Stanley (1935)
- C) Beijerinck (1901)
- D) Jenner (1798)

ANSWER: B

Day neutral vegetable

- A) Tomato
- B) Brinjal
- C) Chilli
- D) All of these

ANSWER: D

Dehaulming in Potato is done for -

- A) High yield
- B) Quality seed tuber
- C) High starch content
- D) High protein content

ANSWER: B

Dry adiabatic lapse rate is

- A) 11 °C/km
- B) 6.5°C/km

C) 8.9°C/km

D) 9.8°C/km

ANSWER: D

Eugenol is the important chemical content of

A) Clove.

B) Cinnamon

C) All spice

D) Cardamom

ANSWER: A

Example of pro insecticide is....

A) Cartap hydrochloride

B) Thiamethoxam

C) Acetamiprid

D) Imidacloprid

ANSWER: A

Example of Zymogenous bacteria is -----

A) Nocardia

B) Pseudomonas

C) Arthrobacter

D) None of these

ANSWER: C

Exclusion of plant disease by legislation is known as

A) Plant quarantine

B) Cultural control

C) Mechanical control

D) Chemical control

ANSWER: A

Fat globule in the milk are in the form of

A) Emulsion

B) Colloidal

C) Solution

D) Vitamin

ANSWER: A

First Agricultural University was established in the year

- A) 1950
- B) 1962
- C) 1960
- D) 1963

ANSWER: C

First Pashu Kisan Credit cards were distributed to 101 animal farmers in the state of

- A) Sikkim
- B) Haryana.
- C) Punjab
- D) U P

ANSWER: B

First State to pass GST bill

- A) Karnataka
- B) Andhra Pradesh
- C) Telangana
- D) Tamil Nadu

ANSWER: C

Forestry outside the conventional forest which primarily aim to provide continued flow of goods and services for the benefit of people

- A) Extension forestry
- B) Farm forestry
- C) Social forestry
- D) Mixed forestry

ANSWER: C

Fruit type of Mustard

- A) Caryopsis
- B) Silique
- C) Drupe
- D) Pomes

ANSWER: B

Gestation period in sheep

A) 148 days

B) 114 days

C) 282 days

D) 391 days

ANSWER: A

Gunter's chain is also called as_?

A) Surveyor's chain

B) Long chain

C) Revenue chain

D) Engineering chain

ANSWER: A

Heterodera avenae is

A) Cyst Nematode

B) Lesion

C) Lance

D) None of these

ANSWER: A

hp of an engine indicates Power on

A) Piston

B) Flywheel

C) Drawer

D) PTO

ANSWER: A

Impliment used for Seed bed Preparation & removal of weeds & mixing of manures

A) Rotovator

B) Disk harrows

C) Seed drill

D) None of these

ANSWER: A

In CONSERVATION TILLAGE how much % of crop residue is left after planting?

A) more than 30

B) less than 30

- C) more than 20
- D) none of these

ANSWER: A

In how many faces, the agriculture census is carried out in India?

- A) 3
- B) 4
- C) 2
- D) 5

ANSWER: A

In situ conservation is done at

- A) National parks
- B) Gene sanctuaries
- C) Both a & b
- D) None of these

ANSWER: C

In tomato fruit cracking is caused due to deficiency of

- A) P
- B) B
- C) Ca
- D) K

ANSWER: B

Initial seed of an improved variety is called

- A) Nucleus seed
- B) Breeder seed
- C) Foundation seed
- D) Certified seed

ANSWER: A

Leading state in Marine Fish production-

- A) Gujarat
- B) Kerala
- C) Andra Pradesh
- D) West Bengal

ANSWER: A

Lines joining equal depth of rainfall

- A) Isodemic
- B) Isoclines
- C) Isohels
- D) Isopaluvial

ANSWER: D

Loose smut of wheat is ---- Soil borne

- A) Internally seed borne
- B) Externally seed borne
- C) Both b and c
- D) None of these

ANSWER: A

Milli water shed comes under in an area of

- A) More than 50000 km
- B) 10000-50000 km
- C) 10-100 km
- D) 1000-10,000 km

ANSWER: D

Muga silk is associated to which of the following states of India?

- A) Arunachal Pradesh
- B) Bihar
- C) Maharashtra
- D) Assam

ANSWER: D

NITI Ayog came into force on

- A) 2019
- B) 2015
- C) 2017
- D) 2011

ANSWER: B

Normal buffer stock capacity of FCI is

- A) 42 mmt
- B) 44 mmt
- C) 43 mmt
- D) 41.12 mmt

ANSWER: D

Origin of Sahiwal breed of cow is from

- A) India
- B) Pakistan.
- C) Sri Lanka
- D) Vietnam

ANSWER: B

Phosphate solubilizing fungus is ----

- A) Fusarium
- B) Penicillium
- C) Trichoderma sp.
- D) None of these

ANSWER: B

Phule Neel rekha is variety of -- flower crop

- A) Marigold
- B) Aster
- C) Gladiolus
- D) Rose

ANSWER: C

Plant materials which are meant for long term storage are known as

- A) Active collection
- B) Base collection
- C) Working collection
- D) None of these

ANSWER: B

Puppet show is an example of ---- method of communication

- A) Individual
- B) Group

- C) Mass
- D) None of these

ANSWER: B

Raising of crop with least tillage operation is called...

- A) Zero Tillage
- B) Minimum Tillage
- C) Heavy Tillage
- D) No Tillage

ANSWER: B

Regolith is horizon

- A) A+B
- B) B+C
- C) A+B+C
- D) None of these

Semi or partial root parasite in Sugar cane

- A) Dendrophthoe ssp.
- B) Cuscuta ssp.
- C) Orobanchae ssp.
- D) Striga ssp.

ANSWER: D

Soils with slope of .. are suitable for border strip method

- A) 2-10%
- B) 16-36%
- C) 10-16%
- D) 0.5-1%

ANSWER: D

Solar constant value in SI unit is

- A) 13.53 k watts/m²
- B) 1353 watts/m²
- C) 1.356 watts/m²
- D) 1353 k watts/m²

ANSWER: B

Stripe rust of wheat is also known as

- A) Brown rust
- B) Yellow rust
- C) Black rust
- D) None of these

ANSWER: C

Sunflower is an indicator plant for the deficiency of nutrient

- A) P
- B) Fe
- C) N
- D) B

ANSWER: D

The cross sectional area of one cylinder of an engine multiplied by Its stroke is

- A) Piston volume
- B) Combustion volume
- C) Swept volume
- D) Clearance volume

ANSWER: D

The degree to which an individual is relatively earlier in adopting new ideas than other members of social system is known as

- A) Awareness
- B) Adoption
- C) Innovativeness
- D) Evaluation

ANSWER: C

The first Cooperative credit society was formed in which of the Next year ?

- A) 1902
- B) 1899
- C) 1908
- D) 1904.

ANSWER: D

The Head Quarters of National Fisheries Development Board (NFDB) is situated in

- A) Hyderabad.

- B) Chennai
- C) Lucknow
- D) Mumbai

ANSWER: A

The United Nations General Assembly has declared 2023 as

- A) International Year of Artisanal Fisheries and Aquaculture
- B) International Year of Millets
- C) International Year of Fruits and vegetables
- D) International Year of Oil Seeds

ANSWER: B

The World Food Prize 2023 was awarded to-

- A) Rattan Lal
- B) Dr. Cynthia Rosenzweig
- C) Heidi Kuhn
- D) Dr. Akinwumi Adesina

ANSWER: C

Thermal efficiency of Petrol Engine.....%

- A) 28-32
- B) 25-28
- C) 32-38
- D) 25-32

ANSWER: D

Thornless variety of rose

- A) Pusa mohit
- B) Floribunda Rose
- C) Bourbon Rose
- D) All of these

ANSWER: A

Top sickness of tobacco is due to the deficiency of

- A) Boron.
- B) Manganese
- C) Magnesium

D) Calcium

ANSWER: A

Total number of KVKs at present is-

A) 724

B) 731

C) 729

D) 726

ANSWER: B

Trees + crops + pasture/animals is

A) Agri-silviculture

B) Silvi-pasture

C) Agri-silvi-horticulture

D) Horti-apiculture

ANSWER: A

Trench method of sugarcane planting used in which part of India?

A) Coastal Area

B) Plain area

C) Water Logged area

D) None of these

ANSWER: A

Unit of Specific Humidity

A) g/kg

B) kg/m³

C) Percentage

D) No unit

ANSWER: B

What is India's rank in organically cultivated area?

A) 6

B) 7

C) 8

D) 9

ANSWER: D

What is the capacity of high volume spray

- A) Less than 5 l/ha
- B) 50-75 l/ha
- C) 100-200 l/ha
- D) More than 400l/ha

ANSWER: D

What is the range of boron hazard for medium boron irrigation water for C3 class ?

- A) 3-4 ppm
- B) 4-5 ppm.
- C) 5-10 ppm
- D) > 10 ppm

ANSWER: B

What is the Time Scale for Meso Climate ?

- A) 1-10 Hr.
- B) 1-10 Min
- C) 1-10 seconds
- D) 1-10 days

ANSWER: A

What should be the pH range of the water for the successful aquaculture?

- A) 6.5-9
- B) 5.5-10
- C) 6.5-12
- D) 2.5-8

ANSWER: A

Wheat act as indicator plant for --- nutrient deficiency

- A) B
- B) Cu
- C) Zn
- D) Fe

ANSWER: B

When was National Food Security Act enacted?

- A) 2004

- B) 2010
- C) 2013
- D) 2000

ANSWER: C

Which type of farming is practiced in areas of high population pressure on land?

- A) Extensive subsistence farming
- B) Commercial farming
- C) Primitive subsistence farming
- D) Intensive subsistence farming

ANSWER: D

Which colour is associated with the revolution in fertilizers?

- A) Pink
- B) Golden
- C) Black
- D) Grey

ANSWER: D

Which of the following are Rabi crops only?

- A) Maize and peas
- B) Barley and gram
- C) Paddy and cotton
- D) Wheat and jowar .

ANSWER: B

Which of the following crop have lowest seed replacement ratio ?

- A) Sunflower
- B) Mustard
- C) Redgram
- D) Groundnut

ANSWER: D

Which of the following state has largest area under groundnut ?

- A) Madhya Pradesh
- B) Gujarat.
- C) Rajasthan

D) U P

ANSWER: B

Which of the following triticum sp is known as emmer wheat ?

A) Triticum durum

B) Triticum dicoccum.

C) Triticum vulgare

D) Triticum monococcum

ANSWER: B

Which one of the following is variety of triticales

A) Sonora -64

B) Lok- 1

C) DT-46

D) K-65

ANSWER: C

Which state has received the award for the fastest implementation of Pradhan mantri Kisan Samman Nidhi Yojana?

A) Uttarpradesh

B) Kerala

C) Tamilnadu

D) Karnataka

ANSWER: A

White eye of rice due to deficiency of which element ?

A) Fe.

B) Mg

C) Mn

D) Zn

ANSWER: A

Who among the following recommends the minimum support prices (MSP) and issue prices for paddy and wheat?

A) Commission for Agricultural Costs and Prices

B) NABARD

C) Ministry of Agriculture & Farmers' Welfare

D) NITI Aayap

ANSWER: A

Wild type of anar is known as

- A) Bhagawa
- B) Daru
- C) Charu
- D) Bahar

ANSWER: B

World soil day is celebrated on

- A) 1 January
- B) 15 June
- C) 5 December
- D) 1 April

ANSWER: C

Worlds first Nano urea liquid developed by-

- A) IFFCO
- B) FACT
- C) Bharat agri fertilizer & reality
- D) National fertilizers

ANSWER: A

Worlds first wholly organic country

- A) Israel
- B) India
- C) Sreelanka
- D) Bhutan

ANSWER: D

..... is considered as unproductive loan.

- A) Investment loan
- B) Marketing loan
- C) Consumption loan
- D) None of these

ANSWER: C

ACABC agri clinic and agri business center are maintained by

- A) ICICI bank
- B) Naarm
- C) Manage
- D) Lic bank

ANSWER: C

Concept of gene for gene hypothesis was developed in

- A) Sorghum
- B) Linseed
- C) Garden pea
- D) Pearl millet

ANSWER: B

Concept of permanent wilting point is proposed by

- A) Briggs & Shantz
- B) Veihmayer
- C) Hendrickson
- D) SPL Sorenson

ANSWER: A

Degraded forest lands with canopy density less than 10 percent will be considered as

- A) Open forest
- B) Scrub
- C) Non forest
- D) Both a & c

ANSWER: B

Element that is universal deficient in grapes

- A) Mg
- B) Ca
- C) B
- D) N

ANSWER: A

Example of growth retardant type antitranspirant ---

- A) Cycocel
- B) kaolin

C) PMA

D) Atrazine

ANSWER: A

Field capacity of a tractor drawn power harrow is

A) 2.25ha/day

B) 1.5 ha/day

C) 2.5ha/day

D) 4.5 ha/day

ANSWER: B

Fruit of cauliflower

A) Hip

B) Siliqua

C) Curd

D) Drupe

ANSWER: C

Gundhi bug insect attack on rice during

A) Germination

B) Flowering

C) Milking stage

D) Harvesting stage

ANSWER: C

Mango variety suited for high density planting

A) Mallika

B) Arka Aruna

C) Sindhu

D) Amrapali

ANSWER: D

Minimum isolation seed distance for certified seed in rice

A) 4 m

B) 8 m

C) 9 m

D) 3 m

ANSWER: D

National biodiversity authority (NBA) is located at

- A) New Delhi
- B) Mumbai
- C) Kolkata
- D) Chennai

ANSWER: D

PF value of field capacity of soil is

- A) 4.18
- B) 4.5
- C) 2.53
- D) 4.7

ANSWER: C

Pomegranate fruit type is

- A) Balausta
- B) Pepo
- C) Drupe
- D) Nut

ANSWER: A

Pyrite is used to reclaim _____

- A) Acidic soil
- B) Saline soil
- C) Sodic soil
- D) None of these

ANSWER: B

Red color in chilli is due to --- pigment

- A) Capsanthin
- B) Alaglucoisidase
- C) Mimosin
- D) None of these

ANSWER: A

Seed rate for chilli

- A) 1-1.5 kg/hectare
- B) 2-3 kg/hectare
- C) 2-4kg/hectare
- D) 4-6kg/hectare

ANSWER: A

Share of Agriculture and allied sectors in GDP/GVA during 2020-21 was-

- A) 20.20%
- B) 25.20%
- C) 22%
- D) 23.4%

ANSWER: A

Term Vernalisation was coined by

- A) Charles Darwin
- B) T.D Lysenko
- C) Emmerson
- D) Lewis

ANSWER: B

The smell of soil after fresh shower is due to

- A) Fungi
- B) Actinomycetes
- C) Virus
- D) Algae

ANSWER: B

The term FaaS includes

- A) Agri machinery Bank
- B) Custom Hiring Centres
- C) Agri business centres
- D) All

ANSWER: D

The term Genetics is coined by ---

- A) Morgan

- B) Stanley
- C) Batson
- D) Johannsen

ANSWER: C

Tropical forest research institute located at

- A) Jodhpur
- B) Bikaner
- C) Jabalpur
- D) Agartala

ANSWER: C

Unit less measure of dispersion

- A) Coefficient variation
- B) Critical deviation
- C) Standard deviation
- D) None of these

ANSWER: A

Urea undergoes hydrolysis in presence of enzyme --

- A) Lipase
- B) Kinase
- C) Urease
- D) Peptase

ANSWER: C