

PROVISIONAL ANSWER KEY

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Alphacode	A

Question1:-The sodicity hazard of irrigation water is usually expressed as

- A:-Sodium Adsorption Ratio
- B:-Total Sodium Concentration
- C:-Total Soluble Solids
- D:-Total Dissolved Salts

Correct Answer:- Option-A

Question2:-Sagara is a high yielding variety of released from Kerala Agricultural University

- A:-Coconut
- B:-Sesame
- C:-Rose
- D:-Rice

Correct Answer:- Option-D

Question3:-Fertilizer recommendation for adult coconut under average management

- A:-Papaya
- B:-0.34 : 0.17 : 0.68 kg/palm/annum
- C:-Coconut
- D:-Banana

Correct Answer:- Option-B

Question4:-Apomixis is development of plant

- A:-Using stem cuttings
- B:-With fusion of gametes
- C:-Without fusion of gametes
- D:-Air layering

Correct Answer:- Option-C

Question5:-Pollination occurring in a permanently closed flower is called

- A:-Cleistogamy
- B:-Protogyny
- C:-Allogamy
- D:-Autogamy

Correct Answer:- Option-A

Question6:-Philippines and Madiera are varieties of

- A:-Rose
- B:-Green gram
- C:-Cowpea
- D:-Maize

Correct Answer:- Option-B

Question7:-Seed rate recommended for transplanted rice in Kerala

- A:-80-90 kg/ha
- B:-90-100 kg/ha
- C:-60-85 kg/ha
- D:-50-60 kg/ha

Correct Answer:- Option-C

Question8:-..... method is best for commercial multiplication of cashew

- A:-Air layering
- B:-Patch budding
- C:-Veneer grafting
- D:-Soft wood grafting

Correct Answer:- Option-D

Question9:-A long pepper variety released from Kerala Agricultural University

A:-Viswam

B:-Thara

C:-Agni

D:-Vijay

Correct Answer:- Option-A

Question10:-Seed rate recommended for tomato in Kerala

A:-700 g/ha

B:-600 g/ha

C:-500 g/ha

D:-400 g/ha

Correct Answer:- Option-D

Question11:-'V' notch is used to measure

A:-Irrigation requirement

B:-Soil moisture content

C:-Water flow

D:-Conductivity

Correct Answer:- Option-C

Question12:-A short duration crop between two main seasonal crops is called

A:-Companion crop

B:-Trap crop

C:-Catch crop

D:-Intercrop

Correct Answer:- Option-C

Question13:-One crop variety grown alone is pure stand at normal density

A:-Monoculture

B:-Sole cropping

C:-Homestead culture

D:-None of these

Correct Answer:- Option-B

Question14:-Field water use efficiency is calculated by

A:- Cu/Y

B:- WR/Y

C:- Y/Cu

D:- Y/WR

Correct Answer:- Option-D

Question15:-The father of modern organic agriculture

A:-Sir Albert Howard

B:-Rudolf Steiner

C:-Lord Northbourne

D:-Masanobu Fukuoka

Correct Answer:- Option-A

Question16:-Silent spring was written by

A:-R.K.Narayan

B:-Rachel Carson

C:-Lady Eve Balfour

D:-Pietro de'Crescenzi

Correct Answer:- Option-B

Question17:-IFOAM was founded in

A:- Africa

B:-France

C:-Russia

D:-India

Correct Answer:- Option-B

Question18:-'India Organic' logo celebrates the essence of

A:-Nature

B:-Agriculture

C:-Unity

D:-Politics

Correct Answer:- Option-A

Question19:-The ratio of total area cropped in a year to the land area available for cultivation

- A:-LER
- B:-AER
- C:-MCI
- D:-CII

Correct Answer:- Option-C

Question20:-Cultivation of crops in regions receiving more than 1,150 mm is

- A:-Dry land farming
- B:-Commercial farming
- C:-Dry farming
- D:-Rainfed farming

Correct Answer:- Option-D

Question21:-A watershed having an area of 1-100 hectare is designated as

- A:-Mini watershed
- B:-Milli watershed
- C:-Micro watershed
- D:-Sub watershed

Correct Answer:- Option-A

Question22:-A marked depletion of surface water causing very low stream flow and drying of lakes, rivers and reservoirs

- A:-Agricultural drought
- B:-Hydrological drought
- C:-Seasonal drought
- D:-Meteorological drought

Correct Answer:- Option-C

Question23:-..... is a certification mark for organically framed food products manufactured in India

- A:-Organic India
- B:-India Organic
- C:-Go Green
- D:-Green India

Correct Answer:- Option-B

Question24:-Remote sensing makes use of

- A:-Sound waves
- B:-Earth's magnetic power
- C:-Electromagnetic spectrum
- D:-None of the above

Correct Answer:- Option-C

Question25:-..... is a satellite launched for collecting scientific information on water cycle and energy exchanges

- A:-SARAL
- B:-Megha-Tropiques
- C:-RESOURCESAT 2 A
- D:-INSAT - 3DR

Correct Answer:- Option-B

Question26:-A stomatal closing type anti transpirant

- A:-Silicon oil
- B:-Kaolin
- C:-Lime water
- D:-Phenyl mercuric acetate

Correct Answer:- Option-D

Question27:-A plant know as 'Crop camel'

- A:-Sorghum
- B:-Ragi
- C:-Maize
- D:-Coconut

Correct Answer:- Option-A

Question28:-Tellichery and Malabar are grades of

- A:-Turmeric
- B:-Ginger
- C:-Coconut
- D:-Black pepper

Correct Answer:- Option-D

Question29:-IWMP stands for

- A:-India wildlife management programme
- B:-Integrated watershed management programme
- C:-International weather monitoring project
- D:-Intensive watershed monitoring programme

Correct Answer:- Option-B

Question30:-False smut of rice is caused by

- A:-*Alternaria padwickii*
- B:-*Ustilagoidea virens*
- C:-*Rhynchosporium oryzae*
- D:-*Ephelis oryzae*

Correct Answer:- Option-B

Question31:-A crop bound weed

- A:-*Striga asiatica*
- B:-*Echinochloa colona*
- C:-both a and b
- D:-None of these

Correct Answer:- Option-A

Question32:-Herbicide recommended for controlling *Echinochloa* sp. in rice

- A:-2,4-D
- B:-Almix
- C:-Diuron
- D:-Cyhalofop butyl

Correct Answer:- Option-D

Question33:-Collateral host of *Orseolia oryzae*

- A:-*Ageratum conyzoides*
- B:-*Parthenium hysterophorus*
- C:-*Cynodon dactylon*
- D:-*Panicum repens*

Correct Answer:- Option-C

Question34:-A fungus recommended for the management of *Eichhornia crassipes*

- A:-*Fusarium pallidoroseum*
- B:-*Colletotrichum gloeosporioides*
- C:-*Paracoccus marginatus*
- D:-*Cyrtobagous salviniae*

Correct Answer:- Option-A

Question35:-Most effective method for the control of parasitic weeds

- A:-Stale seedbed
- B:-Hand weeding
- C:-Crop rotation
- D:-None of these

Correct Answer:- Option-C

Question36:-Coconut variety recommended for root wilt affected areas

- A:-Anandaganga
- B:-Keralganga
- C:-WCT
- D:-Chandrasankara

Correct Answer:- Option-D

Question37:-The first discovered herbicide

- A:-Glyphosate
- B:-Diuron
- C:-Butachlor
- D:-2,4-D

Correct Answer:- Option-D

Question38:-A trap crop for *Orobanche*

- A:-Chilly
- B:-Tobacco
- C:-Sunflower

D:-Brinjal

Correct Answer:- Option-A

Question39:-A chemical used to control weeds in zero tillage

A:-Urea

B:-Glyphosate

C:-Fluchloralin

D:-Propanil

Correct Answer:- Option-B

Question40:-Azhukal disease of cardamom is caused by

A:-Pythium

B:-Corynebacterium

C:-Phytophthora

D:-Colletotrichum

Correct Answer:- Option-C

Question41:-This is a kind of credit required by the farmer for his farming operations starts from seed to seed

A:-Production credit

B:-Development credit

C:-Marketing credit

D:-Consumption credit

Correct Answer:- Option-A

Question42:-This is a facility available to farmers for easy and timely accessing short term credit to purchase farm inputs required for farming.

A:-Kissan credit card

B:-SBI credit card

C:-Rupay card

D:-Smart card

Correct Answer:- Option-A

Question43:-The Cash Liquid Ratio (CLR) and Cash Reserve Ratio (CRR) are fixed by the direction of to Co-operatives.

A:-NABARD

B:-RBI

C:-IMF

D:-IDA

Correct Answer:- Option-B

Question44:-Institutional finance agencies insulated with insurance coverage, linking credit with marketing, financing on warehouse receipt, credit guarantee and accepting sureties known as

A:-Principle of protection

B:-Principle of productive purpose

C:-Principle of payment

D:-Principle of insurance

Correct Answer:- Option-A

Question45:-It is a technique used to determine the profitability of two or more alternative investment project.

A:-Partial budgeting technique

B:-BC-ratio

C:-Profitability index

D:-Capital budget technique

Correct Answer:- Option-D

Question46:-All such activities involved in supply of farm inputs to the farmers and movement of agricultural products from the farms to the consumers.

A:-Agri-entrepreneurship

B:-Agri-business management

C:-Agricultural marketing

D:-Farm business

Correct Answer:- Option-C

Question47:-It assures prevention of microbial and other hazards in food production and manufacturing process and products

A:-HACCP certification

B:-FSSAI certification

C:-AGMARK certification

D:-BIS certification

Correct Answer:- Option-A

Question48:-The basic emphasis of Gandhiji's approach on rural development is

- A:-Development of inner man
 - B:-Village industries
 - C:-Local Self Government
 - D:-Production oriented
- Correct Answer:- Option-B

Question49:-It is a single window delivery of extension services extended to farmers through

- A:-KVK
- B:-ATIC
- C:-KCC
- D:-FTC

Correct Answer:- Option-B

Question50:-Panchayat Raj Institution represents the system of

- A:-People Government
- B:-Local Government
- C:-Village Government
- D:-Local self Government

Correct Answer:- Option-D

Question51:-Central AGMARK laboratory is located in

- A:-Nagpur
- B:-New Delhi
- C:-Kolkata
- D:-Lucknow

Correct Answer:- Option-A

Question52:-..... can be explained as the extend of desirable changes in receiver's behavior as a result of communication

- A:-Communication fidelity
- B:-Communication gap
- C:-Perception
- D:-None of these

Correct Answer:- Option-A

Question53:-Interest rate of Kissan Credit Card is

- A:-5%
- B:-4%
- C:-7%
- D:-9%

Correct Answer:- Option-B

Question54:-..... function adds form utility to the product

- A:-Storage
- B:-Processing
- C:-Transportation
- D:-Time

Correct Answer:- Option-B

Question55:-Crop loan is otherwise known as

- A:-Production loan
- B:-Investment loan
- C:-Consumption loan
- D:-Medium term loan

Correct Answer:- Option-A

Question56:-..... refers to the difference between the price paid by the consumer and the price received by the producer

- A:-Price margin
- B:-Price spread
- C:-Price gain
- D:-All of these

Correct Answer:- Option-B

Question57:-National Institute of Agricultural Extension Management is located in

- A:-Jaipur
- B:-New Delhi
- C:-Hyderabad
- D:-Chennai

Correct Answer:- Option-C

Question58:-..... is the market in which purchase and sale of a commodity takes place at time 't' but exchange of commodity takes place only at time 't+1'

- A:-Cash market
- B:-Forward market
- C:-Retail market
- D:-Specialised market

Correct Answer:- Option-B

Question59:-Which is the need based and skill oriented vocational training institution of the Indian Council of Agricultural Research

- A:-IARI
- B:-KVK
- C:-CIFE
- D:-CRIDA

Correct Answer:- Option-B

Question60:-..... is a project aims at improving women in agriculture to access the resource of other institutions and schemes within a convergence frame work

- A:-MKSP
- B:-NRLM
- C:-NREP
- D:-None of these

Correct Answer:- Option-A

Question61:-Who extends refinance to commercial banks for term loans in relation to agriculture and rural development?

- A:-RBI
- B:-NABARD
- C:-ADB
- D:-AFC

Correct Answer:- Option-B

Question62:-Which is not included in '5Cs' of credit

- A:-Character
- B:-Capacity
- C:-Capital
- D:-Credibility

Correct Answer:- Option-D

Question63:-PAC's came into operation in India following the guidelines of model

- A:-Raiffessian
- B:-Nicolson
- C:-Nariman
- D:-None of these

Correct Answer:- Option-A

Question64:-..... is a method of motivating the people for adoption of a new practice by showing its distinctly superior result

- A:-Result demonstration
- B:-Method demonstration
- C:-Farm clinic
- D:-All of these

Correct Answer:- Option-A

Question65:-..... is the poverty alleviation programme in India

- A:-IRDPA
- B:-LAMP
- C:-SFDA
- D:-IAAP

Correct Answer:- Option-A

Question66:-The first Co-operative Societies Act was passed in India in

- A:-1912
- B:-1904
- C:-1914
- D:-1931

Correct Answer:- Option-B

Question67:-Which is the national agency for agricultural and processed food exports?

- A:-APEDA

B:-MPEDA

C:-NAFED

D:-NCDC

Correct Answer:- Option-A

Question68:-The MGNREGA came into operation in

A:-2005

B:-2006

C:-2007

D:-2009

Correct Answer:- Option-B

Question69:-..... serves as a link between the RBI and the PACs

A:-State Cooperative Bank

B:-DCCB

C:-CLDB

D:-All of these

Correct Answer:- Option-A

Question70:-Which is the Regional Rural Bank of Kerala?

A:-South Malabar Grameen Bank

B:-North Malabar Grameen Bank

C:-Kerala Grameen Bank

D:-None of these

Correct Answer:- Option-C

Question71:-If the radius of a rain drop is doubled, its kinetic energy will increase by

A:-2 times

B:-4 times

C:-8 times

D:-16 times

Correct Answer:- Option-D

Question72:-The advanced and last stage of water erosion is

A:-Sheet erosion

B:-Gully erosion

C:-Rill erosion

D:-Inter rill erosion

Correct Answer:- Option-B

Question73:-Which of the following is a permanent limitation of land?

A. Soil depth

B. Soil Nutrient

C. Land slope

D. Drainage impedance

A:-A only

B:-A and B only

C:-A and C only

D:-A, B, C and D

Correct Answer:- Option-C

Question74:-In Strip Cropping to control soil and water erosion, strips are _____ the contour and _____ the slope

A:-across, along

B:-along, across

C:-along, along

D:-across, across

Correct Answer:- Option-B

Question75:-Land capability class indicates

A:-Soil factors

B:-Soil type

C:-Soil erosion class

D:-Suitability of land use

Correct Answer:- Option-D

Question76:-In Geological erosion

A:-Soil loss is almost equal to soil formation

B:-Soil formation is greater than soil loss

C:-Soil formation depends on soil loss

D:-Soil formation is less than soil loss

Correct Answer:- Option-A

Question77:-An approximate estimation of the soluble salt in soil can be made quickly by

A:-` ` P^(H)` meter

B:-Electrical conductivity meter

C:-Flame photometer

D:-None of these

Correct Answer:- Option-B

Question78:-The porosity range of clay soil is ____ to _____ percent

A:-20 to 40

B:-40 to 60

C:-20 to 30

D:-50 to 60

Correct Answer:- Option-B

Question79:-Contour bunding is suitable for areas where land slope is ____ and average annual rainfall is

A:-Less than 6%, less than 1200 mm

B:-Greater than 6%, less than 1200 mm

C:-Less than 6%, less than 600 mm

D:-Greater than 6%, less than 600 mm

Correct Answer:- Option-C

Question80:-The headquarters of NBSS & LUP is located at

A:-New Delhi

B:-Chennai

C:-Nagpur

D:-Hyderabad

Correct Answer:- Option-C

Question81:-Tension of water at saturation capacity is almost

A:-Zero

B:-10

C:-20

D:-100

Correct Answer:- Option-A

Question82:-Soil degradation takes place due to

A:-Glacial erosion

B:-Geologic erosion

C:-Accelerated erosion

D:-All of the above

Correct Answer:- Option-C

Question83:-_____ are structures of stone wrapped in corrosion resistant wires used to prevent gully erosion

A:-Riparians

B:-Geogrids

C:-Gabions

D:-Geotextiles

Correct Answer:- Option-C

Question84:-In the landuse capability subclasses, _____ is not included as a limitation

A:-Erosion

B:-Climate

C:-Soil

D:-Slope

Correct Answer:- Option-D

Question85:-The largest and most important soil group of India

A:-Laterite soil

B:-alluvial soil

C:-Black soil

D:-Red soil

Correct Answer:- Option-B

Question86:-The black soils of India belong to which soil order.

A:-Vertisol

B:-Oxisol

C:-Alfisol

D:-Inceptisols

Correct Answer:- Option-A

Question87:-Which one of the following sources of salts in soils is a primary source?

A:-Canal Irrigation

B:-Weathering of rocks

C:-Fertilization

D:-Sea water intrusion

Correct Answer:- Option-B

Question88:-Which one among the following is not a major factor which control formation of soil?

A:-Climate

B:-Topography

C:-Biota

D:-Soil water

Correct Answer:- Option-D

Question89:-The condition in which the soil is saturated with water due to a perched W.T. is called

A:-Episaturation

B:-Perisaturation

C:-Outwashing

D:-Primary saturation

Correct Answer:- Option-A

Question90:-The mineral that contributes red colour to soils.

A:-Hematite

B:-Hydride

C:-Hydroxyapatite

D:-Fluorapatite

Correct Answer:- Option-A

Question91:-Trioctahedral sheet is dominated by

A:-`Al^(3+)`

B:-`Mg^(2+)`

C:-`Si^(4+)`

D:-`K^(+)`

Correct Answer:- Option-B

Question92:-Effective nodules for Nitrogen fixation are usually _____ in colour

A:-White

B:-Grey

C:-Red

D:-Green

Correct Answer:- Option-C

Question93:-..... is a micronutrient cation.

A:-Molybdenum

B:-Sulphur

C:-Calcium

D:-Manganese

Correct Answer:- Option-D

Question94:-The deficiency of causes excessive translocation of Phosphorous resulting in P-toxicity.

A:-Manganese

B:-Zinc

C:-Copper

D:-Boron

Correct Answer:- Option-B

Question95:-The most common dioctahedral mica mineral is

A:-Biotite

B:-Muscovite

C:-Phlogopite

D:-None of these

Correct Answer:- Option-B

Question96:-The basal spacing of Kaolinite along the C-axis is

A:-0.72 nm

B:-0.10 nm

C:-14 nm

D:-10.25 nm

Correct Answer:- Option-A

Question97:-An area is said to be under water logged condition when the W.T is within

A:-1 m

B:-1.5 m

C:-2 m

D:-2.5 m

Correct Answer:- Option-B

Question98:-..... is the reciprocal of electrical resistivity

A:-Electric potential

B:-Exchangeable sodium percentage

C:-Electrical conductivity

D:-Cation exchange capacity

Correct Answer:- Option-C

Question99:-High level of Potassium in soil may depress the uptake of ____ and ____ in plants

A:-Calcium and Nitrates

B:-Magnesium and Zinc

C:-Calcium and Magnesium

D:-Zinc and Calcium

Correct Answer:- Option-C

Question100:-The extremely acidic Kaippad soil of Kerala is found in district

A:-Alappuzha

B:-Thrissur

C:-Kannur

D:-Palakkad

Correct Answer:- Option-C