

# MCAER Mock Test

- 1 **Who is the father of agrometeorology in india**  
A. Swaminathan C. L.A. Ramdas  
B. Krishnan D. Nair
- 2 **Which one of the following agro-technology evolved by ICRISAT**  
A. Raise bed B. BBF  
C. Graded furrow C. Vertical mulching
- 3 **Which one of the following state known as rice bowl of india**  
A. APB. Chhatisgarh  
C. U.P C. Karnataka
- 4 **Which one of the following crop is associated with orobanche weed**  
A. Sorghum B. Rice  
C. Maize D Tomato
- 5 **Which one of the following is the soil water potential of ultimate wilting point**  
A. 0.3 bar B. 15 bar  
C. -60 bar D 0.33 bar
- 6 **Which one of the following annual rainfall is practice rainfed agriculture**  
A. > 750 mm B. 750 to 1150 mm  
C. > 1150 mm D None
- 7 **Which one of the following scientist coined the term allelopathy**  
A. Davis B. Shckney and hoy  
C. Hans molish D None
- 8 **Which one of the following is first herbicide resistant weed reported in india**  
A. Parthenium B. Rumex cripes  
C. Phalaris minor D Avena fatua
- 9 **Which one of the following crop yield oil and fibre both**  
A. Jute B. Sunnhemp  
C. Niger D Linseed
- 10 **Which one of the following is the other parent to be crossed with Dee- Geo- Woo- Gen**  
A. Jaya B. TN-1  
C. Peta D T-141
- 11 **Which one of the following is commen bread wheat**  
A. Tetraploid B. Hexaploid  
C. Triploid D Diploid
- 12 **Which one of the following is the unit of water use efficiency**  
A. Kg-ha / mm B. Kg/ ha-mm  
C. Kg/ mm-ha D ha/kg-mm
- 13 **Concentration of which of the following is high in waterlogged soil**  
A. Hydrogen B. Methane  
C. Oxygen D O<sub>2</sub>

- 14 **Which one of the following is responsible for runoff**  
A. Soil slope B. Low rate of infiltration  
C. High intensity of rainfall D. All of these
- 15 **Which one of the following is the physical method of weed control**  
A. Crop rotation B. Stale seed bed  
C. Moving D. Summer fallowing
- 16 **Which one of the following crop is called biological plough of soil**  
A. Green gram B. Black gram  
C. Pigeon pea D. Soybean
- 17 **Which one of the following is the first hybride of sunflower released in india**  
A. BSH-1 B. Modern  
C. DRS-1 D. DSH-1
- 18 **Which one of the following is not physical indicator of soil**  
A. Consistence B. Penetration resistance  
C. Buffering capacity D. Soil strength
- 19 **Which one of the following stages of crop are more prone to weed competition**  
A. Germination to seedling B. Vegetative phase  
C. Reproductive phase D. Maturity phase
- 20 **In which of the following country hybride rice of commercial production was first evolved**  
A. India B. China  
C. USA D. Japan
- 21 **Which one of the following developed indore method of composting**  
A. Richard B. Howard  
C. Acharya D. None
- 22 **Which one of the following shifting cultivation is widely adopted**  
A. North-East india B. Rajasthan  
C. Maharashtra D. Karnataka
- 23 **Phalaris minor is also known as**  
A. Barmuda grass B. Canery grass  
C. Kans D. Water hyacinth
- 24 **Which one of the following instrument use to measure wind speed**  
A. Wind vane B. Anemometer  
C. Thermometer D. Hydrometer
- 25 **Which one of the following agronomic measure used for soil conservation**  
A. Contour bunding B. Graded bunding  
C. BBF D. Strip cropping
- 26 **Which one of the following term is used for system of raising arable crops along with fruit trees**  
A. Agri Silviculture B. Agri Horticulture  
C. Horti Pastural D. Silviculture
- 27 **Depth of sowing is depends on**



- C. Polyandrous family D None
- 39 .... is the process of influencing the behaviour of the individual in a given situation  
A. Extension B. Education  
C. Leadership D None
- 40 Youth club president is  
A. Formal leader B. Informal leader  
C. Lay leader D None
- 41 Term psychology is derived from .....word  
A. Greek B. Latin  
C. French D English
- 42 IQ of average person is  
A. 170 B. 120-130  
C. 25 and below D 90-100
- 43 Person never express his emotion belongs to which personality  
A. Introvert B. Extrovert  
C. Ambivert D None
- 44 ....is define as tendency to act in some way towards object , person, situation or idea  
A. Direction B. Goal  
C. Attitude D None
- 45 ..... is the source of energy  
A. Insticts B. Goal  
C. Drive D None
- 46 Inborn tendency or ability of individual  
A. Direction B. Goal  
C. Attitude D None
- 47 Which of the following element is the centre of learning situation  
A. Extension worker B. Farmer  
C. Subject matter D Teaching material
- 48 First step in extension teaching  
A. Attension B. Interest  
C Desire D Action
- 49 Which of the following extension teaching method helps to subject demonstrator and local leader

- A. Group contact  
B. Mass contact  
C. Individual contact  
D. None

**50 Tours and field days .... Type of method**

- A. Group contact  
B. Mass contact  
C. Individual contact  
D. None

**51 The tristeza tolerant root stock in citrus is**

- A. Sweet orange  
B. Rangpur lime  
C. Karna Khatta  
D. None

**52 The dwarfing rootstock of guava is**

- A. Brazilian guava  
B. Cattell guava  
C. Pineapple guava  
D. None

**53 Edible part of pomegranate is**

- A. Peduncle  
B. Endosperm  
C. Thalamus  
D. Aril

**54 which one of the following is the richest source of vit-C**

- A. Aonla  
B. Ber  
C. Bael  
D. Apple

**55 Citrus canker is caused by**

- A. Fungus  
B. Virus  
C. Bacteria  
D. Insect

**56 Bunchy top of banana is transmitted by**

- A. Aphid  
B. Fungus  
C. White fly  
D. Jassid

**57 Washington navel is famous cultivar of**

- A. granis  
B. Citrus reticulata  
C. Paradist  
D. Citrus sinensis

**58 Indian institute of vegetable research is located at**

- A. Ajmer  
B. Varanasi  
C. Lucknow  
D. Kanpur

**59 Marmalade is prepared from**

- A. Citrus
- B. Apple
- C. Mango
- D. Guava

**60 Most of banana species are**

- A. Triploid
- B. Diploid
- C. Haploid
- D. Hexaploid

**61 Which is non-clamatric fruit**

- A. Jack fruit
- B. Banana
- C. Papaya
- D. Orange

**62 Which is the clamatric fruit**

- A. Grape
- B. Pmogranate
- C. Bael
- D. Litchi

**63 TSS is measured by**

- A. Refractometer
- B. Thermometer
- C. Calorimeter
- D. Spectrophotometer

**64 Sweetest sugar in fruit is**

- A. Glucose
- B. Fructose
- C. Sucrose
- D. Galactose

**65 Which one of the following is an aggregate fruit**

- A. Guava
- B. Strawberry
- C. Citrus
- D. Pineapple

**66 which one is not variety of brinjal**

- A. Pant bahar
- B. Pant Samrat
- C. Pant rituraj
- D. Pusa ankur

**67 Which of the following is day neutral vegetable**

- A. Raddish
- B. Spinach
- C. Tomato
- D. Sweet potato

**68 Which of the following fruit not belongs to the family anacardiaceae**

- A. Cashew nut
- B. Pistachionut

C. Mango D. Papaya

**69 Mango is a .... Type of fruit**

A. Balusta B. Pepo  
C. Berry D. Drupe

**70 Bower training system is done in mango**

A. Grape B. Mango  
C. Guava D. Papaya

**Dual purpose exotic sheep breed , native of UK face, ear , leg white in colour and free from**

**71 wool is identity of**

A. South down B. Corriedale  
C. Rambouillet D. Dorset

**72 Breed are white shell colour poultry breeds usually reared for eggs**

A. American class B. Asiatic class  
C. English class D. Mediterranean class

**73 ..... Is american class poultry breed which is good producer of large brown shelled eggs**

A. Rhodes island red B. Plymouth rock  
C. New hampshire D. None

**74 Asiatic class of poultry breed consider as fighting cocks**

A. Kadaknath B. Asel  
C. Chittagong D. Cochin

**75 Asiatic breed ..... Also known as malay**

A. Asis B. Chittagong  
C. Kadaknath D. Longshan

**76 Home tract of kadaknath is**

A. UP B. MP  
C. AP D. MH

**77 World number one eggs producer is**

A. Minorca B. Anwa  
C. White leghorn D. Andalusian

**78 On an average egg weight about**

A. 56 g B. 58 g  
C. 59 g D. 57 g



**79 Eggs contain .....% protein**

- A. 11
- B. 12
- C. 14
- D. 13

**In deep litter system of poultry rearing an egg type chicken of 9-18 weeks of age require 80 .....ft<sup>2</sup> floor space**

- A. 0.6
- B. 1.25
- C. 0.75
- D. 0.3

**81 ... Is the viral disease of poultry**

- A. Fowl cholera
- B. coccidiosis
- C. Diarrhea
- D. Raniket

**82 Cured Toe paralysis in poultry due to**

- A. Sodium chloride deficiency
- B. Vit B<sub>2</sub> deficiency
- C. Vit D deficiency
- D. Vit A deficiency

**83 Salted smoked meat of pig is called as**

- A. Pork
- B. Bacon
- C. Beef
- D. Chevron

**84 In free range system of poultry housing we can rear about .....adult birds per hectare**

- A. 250
- B. 500
- C. 1000
- D. 750

**85 Rambouillet , a exotic dual purpose breed of sheep was developed in**

- A. New Zealand
- B. UK
- C. France
- D. Spain

**86 Indigenous breed Jakhana belongs to ....**

- A. UP
- B. Rajasthan
- C. HP
- D. Ladakh

**87 First Step in absorption of water by root hair**

- A. Imbibition
- B. Simple diffusion
- C. Osmotic pressure
- D. None

**88 The apparatus used for measuring rate of transpiration is called as**

- A. Psychrometer
- B. Potometer
- C. Spectrometer
- D. None



- 89 **Closure of stomato of normal plant can be induced by**  
A. IAA B. IBA  
C. GAB D. All of them
- 90 **Which of the following process is necessary evils**  
A. Transpiration B. Guttation  
C. Evaporation D. All of above
- 91 **First Stable compound of C4 cycle is**  
A. OAA B. Pyruvic acid  
C. 3 PGA D. Maic acid
- 92 **TCA cycle is knopwn as**  
A. Kreb's cycle B. Citric acid cycle  
C. Both A and B D. None of above
- 93 **Rate of photosynsthesis is higher in**  
A. Red light B. Blue light  
C. Green light D. None
- 94 **Dihybride test cross ration is**  
A. 1:1:1:1:1 B. 9:3:3:3:1  
C. 09:07 D. 09:06:01
- 95 **Father of genetics is**  
A. Bateson B. Mendal  
C. Dr. Benzer D. Bridges
- 96 **Point of crossing over is known as**  
A. Pachytene B. Zygotene  
C. Leptotene D. Diplotene
- 97 **Chiasmata formation takes place during**  
A. Pachytene B. Zygotene  
C. Leptotene D. Diplotene
- 98 **Received nobal prize for the invention of PCR**  
A. Wullems B. Kary mullis

- C. White D. Melcher

**99 Mode of pollination of wheat**

- A. Self B. Cross  
C. Often cross D. None

**100 Minamata disease is caused by**

- A. Cadmium B. Cobalt  
C. Mercury D. DDT

**101 Term heterosis was coined by**

- A. G. H. Shull C. Hull  
B. Mendal D. Flor

**102 Self incompatibility refers to**

- A. Failure of pollen from a flower to fertilize B. Absence of functional pollen grain  
C. Presence of staminate flower C. Presence of pistillate flower

**103 Triticale is cross between**

- A. Wheat x Rice B. C. Wheat x Barley Wheat x Rice  
C. Wheat x Oat

**104 Maize is good example for**

- A. Monocious B. Protoandrous  
C. Cross pollination D. All of above

**105 Proper record of the ancestry of each selected plant is done in..... method**

- A. Bulk B. Back cross  
C. Pure line selection D. Pedigree

**106 Refers to absence of functional pollen grain in otherwise hermaphrodite flower**

- A. Apomixis B. Self incompatibility  
C. Herkogamy D. Male Sterility

**107 Isolation distance for certified seed production of bajara**

- A. 400 m B. 200 m  
C. 100 m D. 600 m

**108 Colour tag for foundation seed is**

- A. Blue B. Golden yellow  
C. White D. Green

**109 Seed remain viable for long time at low temperature and low moisture content**

- A. Orthodox seed B. Recalcitrant seed  
C. Breeder seed D. Foundation seed

**110 Groundnut having type of germination**

- A. Epigeal B. Hypogeal  
C. Both A and B D. None

**111 Weight of 100 seed is called as**

- A. Seed index                      B. Test value  
C. Real value of seed          D. None

**112..... Is one of the oldest method of crop improvement**

- A. Pure line selection  
B. Pedigree  
C. Back cross method  
D. Mass Selection

113 Johnson's organ are present on  
.....segment

- A. Scape  
B. Pedicel  
C. Flagellum  
D. None

## 114 The longest segment of insect antenna

- A. Scape  
B. Pedicel  
C. Flagellum  
D. None

**115Wax layer of ..... Prevent loss of water from insect body**

- A. Epicuticle  
B. Procuticle  
C. Endocuticle  
D. Exocuticle

**116 The major component of insect cuticle is .....**

- A. Chitin  
B. Lipid  
C. Protein  
D. None

**117 The cast away cutical is known as**

- A. Instar      B. Exuviae  
C. Stadium    D. None

**118** Moulting hormone is secreted by

- A. Corpora allata  
B. Corpota cardiac  
C. NSC of brain  
D. Prothoracic gland

**119 Egg diapause is most common in**

- A. Butterflies                      B. Mosquitos
- C. Grasshoppers                  D. Honey bees

**120 Adult diapause is seen in**

- ## A. Mantid

- C. Grasshoppers D Cockroach

**121 Malpighian tubules are .... In function**

- A. Secretory B. Excretory  
C. **Urates** D All of these

**122 In aquatic insect nitrogenous waste products are released in the form of**

- A. Uric acid B. Ammonia  
C. Urates D All of these

**123 ..... Is neurotransmitter present in synapses**

- A. BHC B. ACH  
C. HCH D **AchE**

**124 .... Compound deactivate **AchE****

- A. OP and carbamate B. Synthetic pyrethroid  
C. Organochloride D Neonicotinoids

**125 ..... Is the development of embryo egg without fertilization**

- A. Oviparity B. Viviparity  
C. Paedogenesis D Parthenogenesis

**126 Type of metamorphosis is observed in Silver fish**

- A. Ametabola B. Hemi metabola  
C. Holometabola D None

**127 DD-136 is a product of**

- A. Nematode B. Bacteria  
C. Both A and B D None

**128 Gizzard is part of**

- A. Foregut B. Midgut  
C. Hindgut D None

**129 Part of sprayer breaks the spray liquid into fine droplets is .....**

- A. Nozzle B. Handle  
C. Blower D None

**130 The chemical fumigant which deplete ozone layer is called**

- A. Methyl bromide B. Ethylene bromide  
C. Methyl eugenol D All of these

**131 Rhizome fly is pest of**

- A. Cucumber B. Turmeric

C. Potato

D. Redish

**132 Wax moth is a pest of .....**

A. Honey bees

B. Lac

C. Silkworm

D. Storage grain pest

**133 Father of Economics is**

A. Alfred Marshall

B. Adam Smith

C. Robins

D. None

**134 Wealth defination is given by**

A. Robins

B. Alfred Marshall

C. Keyness

D. Smith

**135 Which of the following is non material good**

A. Air

B. Building

C. Road

D. Service of teacher

**136 Want satisfying quality of good is called**

A. Consumption

B. Utility

C. Income

D. Wealth

**137Purchasing power of commodity in terms of other commodity and service**

A. Value

B. Utility

C. Income

D. Price

**138 When marginal utility is zero the total utility is**

A. Minimum

B. Maximum

C. Negative

D. None

**139 Law of diminishing marginal utility is given by**

A. Marshall

B. Smith

C. Keyness

D. None

**140 Profit is maximum when**

A.  $MC=MR$

B.  $MC<MR$

C.  $MC>MR$

D. None

- 141 **Rent is the price paid for the use of land who said it**  
A. Ricardo B. Benor  
C. Keynes D. Smith
- 142 **Anything that satisfy human wants is called as n**  
A. Good B. Good will  
C. Material D. None
- 143 **When the value of good is expressed in terms of money**  
A. Value B. Welfare  
C. Wealth D. Price
- 144 **Short term credit is required normally for period less than .... Month**  
A. 10 B. 15  
C. 50 D. 25
- 145 **Farmer having less than one hectare of land**  
A. Small farmer B. Marginal farmer  
C. Large farmer D. None
- 146 **Slope of Iso cost line indicates**  
A. Price effect B. Marginal effect of substitution  
C. Ratio of factor price D. None
- 147 **Income tax paid by employee is**  
A. Direct tax B. Indirect tax  
C. Both A and B D. None
- 148 **..... Is example of Trisaccharides**  
A. Maltos B. Rafinose  
C. Galactose D. sucrose
- 149 **The term biochemistry was first introduced by ....**  
A. Carl neuberg B. Antoin lavoiser C. J.V. Liebig D. Anton leuwenhook
- 150 **First essential amino acid was discovered by .....**  
A. Carl neuberg B. Rose  
C. Antoin lavoiser D. J.V. Liebig
- 151 **In the intercellular layer of cell .....acts as cementing material**  
A. Protein B. Carbohydrates  
C. Lipid D. Glycogen
- The unpleasant odour , smell and taste develops by oils and fats due to denaturation and**
- 152

**oxidation**

- A. Decarboxylation
- B. Rancidity
- C. Protein denaturation
- D. Transformation

**153 Beta oxidation of fatty acid was proposed by .....**

- A. J.B. Sumner
- B. Rose
- C. Carl neuberg
- D. Knoop

**154 ..... Is most resisting mineral for weathering**

- A. Quartz
- B. Feldspar
- C. Calcite
- D. Granite

**155 According to ISSS system of soil partical classification the partical size > 250 in diameter are .....**

- A. Cobble
- B. Gravel
- C. Stone
- D. both A and B

**156 Darcy law deals with**

- A. Heat conduction
- B. Hydraulic gradient
- C. Diffusion of gases
- D. Particle size analysis

**157 One unit change in pH changes H<sup>+</sup> ion concetration by .....times**

- A. 10
- B. 100
- C. 1000
- D. No change

**158 When we measuere the soil pH by pH meter it is actually measures of**

- A. Residual activity
- B. Total activity
- C. Active acidity
- D. All of above

**159 ..... Is the measures of soluble salts**

- A. SAR
- B. EC
- C. pH
- D. ESP

**160 ..... Are called organic soil**

- A. Vertisols
- B. Aridisols
- C. Inceptisols
- D. Histosols

**161 Soil microbes algae predominant in ....area**

- A. Warm
- B. Acidic
- C. Alkaline
- D. Shade

**162 Which of the following is 2:1 type clay mineral**



- A. Chlorite
- B. Kaolinite
- C. Montmorillonite
- D. Vermiculate

**163 ..... Is amorphous mineral**

- A. Tourmaline
- B. Allophane
- C. Apatite
- D. Rutile

**164 Cracking problem mostly occur in ...**

- A. Alluvial soil
- B. Red soil
- C. Black soil
- D. Laterite soil

**165 ..... Soils are reach in humas**

- A. Black soil
- B. Red soil
- C. Black soil
- D. Forest soil

**166 Oldest commercially available fertilizer**

- ....
- A. SSP
- B. CAN
- C. Urea
- D. Ammonius nitrate

**167 Bone meal is rich source of .....**

- A. N
- B. P
- C. K
- D. Ca

**168 Oldest nitrogenous ferilizer , best for top dressing in rice is ...**

- A. Anhydrous ammonia
- B. Ammonium Nitrate
- C. Ammonium Sulphate
- D. Ammonium sulphate nitrate

**169 Fertilizer containing less than 25 % of primary nutrients are .....**

- A. Incomplete fertilizer
- B. Complex fertilizer
- C. Low analysis fertilizer
- D. High analysis fertilizer

**170 ..... Is nitrification inhibitors used for lowland rice**

- A. Oxamide
- B. N-serve
- C. Nitropryrine
- D. Neemcake

**.....is the term used to describe a plant that shows no obvious symptoms , yet the nutrient**

**171 content is not sufficient to give the top profitable yield**

- A. Deficiency
- B. Immobility
- C. Insufficiency
- D. Hidden hunger

**172 Engine in which one cycle is completed in two revolutions of crankshaft is called**

- A. Two stroke engine
- B. Four stroke engine
- C. Both A and B
- D. None of above

**173 Diameter of cylinder is known as ....**

- A. Stroke
- B. Bore

- C. Piston D. None of above
- 174 In which engine air is entered into the cylinder and compressed during the suction stroke  
A. Petrol B. Both A and B  
C. Diesel D. None
- 175 In diesel engine the component used at the place of spark plug is  
A. Nozzle B. Injector  
C. Both A and B D. None
- 176 IHP indicates the power received at  
A. Camshaft B. Crankshaft  
C. Piston D. None
- 177 Little leaf of egg plant is caused by  
A. Fungus B. Bacteria  
C. Virus D. Mycoplasma
- 178 Decomposition of organic matter in submerged soil carried out by  
A. Bacteria B. Actinomycetes  
C. Fungi D. Earthworm
- 179 All plant viruses except cauliflower mosaic virus contain  
A. DNA B. RNA  
C. Both RNA and DNA D. Either RNA and DNA
- 180 Which antibiotic was first time demonstrated by Flemming  
A. Penicillin B. streptomycin  
C. Tetracycline D. Chlorotetracycline
- 181 A virus that infects bacteria and destroys them is called as  
A. Bactericide B. Bacteriophage  
C. Both D. None
- 182 Most widely used fungicide for smut fungi is  
A. Vitavax B. Plantvax  
C. D-M-45 D. Bavistin
- 183 Race specific resistance called as  
A. Vertical resistance B. Horizontal resistance  
C. Adult plant resistance D. None
- 184 which fungicide is used against downy mildew  
A. Metalaxyl B. Karathane

- C. Oxathin D. streptomycin
- 185 For quick and accurate detection of viruses can be done by**  
A. ELISA B. LISA  
C. Obsevatin D. All of these
- 186 MLO and spiroplasm are mostly**  
A. Xylem inhibiting B. Pholem inhibiting  
C. Both a and b D. Stomata inhibiting
- 187 Conversion of ammonia into nitrate by bacteria is known as**  
A. Ammonification B. Nitrification  
C. Denitrification D. Loss of nitrogen
- 188 What is optimum time of application of FYM**  
A. Six month before sowing of crop B. At the time of sowing  
C. One month before sowing of crop D. One week after sowing of crop
- 189 Name the chemical used for reclamation of alkali soil**  
A. Lime B. Gypsum  
C. Rock phosphate D. Sodium nitrate
- 190 Name the chemical used for reclamation of acidic soil**  
A. Gypsum B. Lime  
C. Ammonium phosphate D. sper phosphate
- 191 What is C:N ratio of normal soil**  
A. 10:01 B. 16:01  
C. 05:01 D. 20:01
- 192 Which of the following is an organic fertilizer**  
A. Anhydrous ammonia B. DAP  
C. SSP D. Urea
- 193 Indicate P<sub>2</sub>O<sub>5</sub> Content in DAP**  
A. 16% B. 32%  
C. 46% D. 60%
- 194 Energy Producing organelle in the cell is**  
A. Nucleus B. Nucleolus  
C. Mitichondria D. Chloroplast
- 195 In Plant water moves through**  
A. Vacuole B. Pholem  
C. Endodermis D. Xylem

**196 Genes are composed of**

- A. Proteins
- B. LIPIDS
- C. RNA
- D. DNA

**197 Which of the following is not summer season crop**

- A. Potato
- B. Cucumber
- C. Bottle guard
- D. Pumpkin

**198 Mostly Cultivated species of wheat is**

- A. Hexaploid
- B. Tetraploid
- C. Diploid
- D. Monoploid

**199 How many generation of selfing are essential for homozygosity after crossing**

- A. 2
- B. 4
- C. 6
- D. 8

**200 Flax is fiber of**

- A. Cotton
- B. Sunhemp
- C. Linseed
- D. Jute



AgroMind