



- 1 What kind of weed orobanche is**
A Holo parasite
C Holo-stem
B Hemi-root
D Hemi-stem
 - 2 The akiochi disease in rice is due to deficiency of ...**
A B deficiency
C Fe toxicity
B Al Toxicity
D H₂S Poisoning
 - 3 The diameter of soil partical (in mm) which are carried away due to saltation mode of soil erosion is**
A 0.02-0.2
C 0.1-0.5
B 0.01-0.1
D 0.5-1.0
 - 4 A highly beneficial and essential element for rice along with other macro and micro nutrients**
A Co
C Ni
B V
D Si
 - 5 The Dapog method raising rice nursery was introduced in india from.....**
A Myanmar
C Philippines
B Japan
D China
 - 6 An immaginary line drawn on map connecting the points of equal rainfall is called**
A Isotherm
C Isoyet
B Isobar
D Isobar
 - 7 Which of the following is callwed Green gold**
A Green gram
C Bamboo
B Pea
D Sisal
 - 8 Sesamum belongs to family**
A Papilionaceae
C Crucifereae
B Pedaliaceae
D Tiliaceae
 - 9 Crop lodging has ben most widely used for nutrient management**
A Cotton
C Sugarcane
B Rice
D None
 - 10 Pungency in mustard oil is due to**
A Glucoside
C Prussic acid
B Glucosinolates
D Glucosinic acid
 - 11 Contour bunds are effective when slope of land is**
A Upto 6%
C Upto 20%
B Upto 16%
B Upto 50%
 - 12 Percent calcium content in ssp is**
A 16
C 20
B 12
D 24
 - 13 White tip of Maize is caused due to deficiency of**
A Cu
C Fe
B Mo
D Zn
 - 14 Biological control of pathenium by using maxican beetle ...**
A Zygomgramma bicolerata
C Neconchetina eichhorniae
B Dactylopius ceylonicus
D Teleonemia serapolara
 - 15 The reflection of solar radiation reaching to earth surface back into space is called**
A Lux
C Net radiation
B Albedo
D None
 - 16 Which type of water is readily available to plant**
A Gravitational water
C Hygroscopic
B Capillary water
D All of above

- 17 Movement of P and K from soil to the root surface take place due to**
 A Root interception B Diffusion
 C Mass flow D Osmosis
- 18 Which is C 4 plant**
 A Rice B Wheat
 C Soybean D Maize
- 19 The observation that occurs which maximum frequency in a set of observation refers to**
 A Mean B Mode
 C Median D S.D
- 20 Which of the following is father of organic farming**
 A Peter decresenzi B Masanubo fukuoka
 C E.H. Faulkner D G.B. Triplet
- 21 Ratan is variety of**
 A Rice B Maize
 C Wheat D Pea
- 22 Green air disease is related to**
 A Wheat B Rice
 C Pearlmillet D Groundnut
- 23 Tikka disase is related to which crop**
 A Wheat B Rice
 C Groundnut D Pearlmillet
- 24 The concept of field capacity is related to which scientist**
 A Richard and gardner B Taylor
 C Israelson and west D Briggs and shantz
- 25 Zn sensetive crop is**
 A Rice B Wheat
 C Barley D Both B and C
- 26 Which of the following crop is drought tolerant**
 A Safflower B Wheat
 C Groundnut D Barley
- 27 Which of the following crop is salt tolerant**
 A Safflower B Wheat
 C Groundnut D Barley
- 28 Critical stage in wheat for moisture stress is**
 A CRI B Jointing
 C Flowering D Milky
- 29 Tensiometer are used intype of soil**
 A Sandy B Loamy
 C Clay D Clay loam
- 30 ET contributes to% loss of water in crop**
 A 99 B 95
 C 90 D 85
- 31 Red rust is disease of**
 A Litchi B Apple
 C Mango D Guava
- 32 Chrysanthamum is a... Plant**
 A Day neutral B Long day
 C Short day D None
- 33 Curcuma longa is botanical name of**
 A Tuberose B Turmeric
 C Turmeric D Nutgum
- 34 Gynoecium means**
 A Having female and bisexual flower B Having all female flower
 C Having male flower D None

- 35 Mango and banana are**
 A Non-climetric B Climatic
 C Nature of ripening depends upon variety D None
- 36 Which vegetable crop is known as vegetable of twentieth century**
 A Winged bean B Cluster bean
 C Chekkur manis D Amaranthus
- 37 Large cardamum is commercially propagated through**
 A Suckers B Seeds
 C Layer D Cuttings
- 38 Which of the following fruit is rich source of fat**
 A Anola B Avocado
 C Bael D Pomogranate
- 39 Cricket ball is variety of**
 A Laquat B Guava
 C Litchi D Sapota
- 40 The origin place of fruit guava is**
 A China B Australia
 C India D Tropical america
- 41 Kinnow cultivar is hybride between**
 A King x willow leaf B King x owari
 C King x Dancy D King x cleopatra
- 42 Term Ikebana is related to**
 A Flower arrangement B Topiary
 C carpet bedding D Bonsai culture
- 43 Pungency of onion is due to presence of**
 A Isothiocyante B solanin
 C Allyl propyl disulphide D None
- 44 For complete preservation the percentage of sugar in fruit jam should be nearly**
 A 90% B 70%
 C 50% D 30%
- 45 Which one of the following is not food preservative**
 A Glacial acetic acid B KMS
 C Benlate D Sodium benzoate
- 46 Which one of the following is used to crop regulation of guava**
 A NAA B Ethephone
 C IBA D GA
- 47 Umran is high yielding variety of**
 A Ber B Acidelime
 C Guava D Date palm
- 48 Jamun belongs to same family as**
 A Guava B Peach
 C Apricot D Jackfruit
- 49 Central institute for temperate horticulture is located at**
 A Solan B Srinagar
 C Kullu D Chaubatia
- 50 Centre of origin of papaya**
 A China B India
 C Central America D South America
- 51 Excess of phosphorus caused deficiency of In soil**
 A Fe B Zn
 C Cu D All of above
- 52 Is the indicator plant for sodium deficiency**
 A Sunflower B Sugarbeet
 C Oat D Maize

- 53 The term solonchok is used for**
 A Saline soil B Alkaline soil
 C Saline alkali soil D Acidic soil
- 54is the process of loss of nutrients beyond root zone along with water**
 A Percolation B Volatilization
 C Leaching D Seepage
- 55 Saline -alkali soil is characterised as**
 A $E_c > 4$ B $ESP > 15$
 C $pH < 8.5$ D All of above
- 56 Stem nodulation occurs in**
 A *Azotobacter chroococcum* B *Crotalaria juncea*
 C *Sesbania rostrata* D *Pongamia pinnata*
- 57 Application of fertilizer to standing crop is**
 A Basal dose B Broadcasting
 C Top dressing D Placement
- 58refers to application of fertilizer into the soil close to the seed or plant**
 A Deep placement B Sub- soil placement
 C Band placement D Localised placement
- 59 is the elements acts for energy storage in plant**
 A C B N
 C P D All of above
- 60 The criteria of essentiality was discovered inby**
 A 1939, Arnon and stout B 1952, Arnon
 C 1939, Arnon D 1952, Arnon and stout
- 61 Element is involved in carbohydrate metabolism and synthesis of cell wall components**
 A C B Bo
 C O D H
- 62 Appearance of green veins and dead spots on both old and new leaves are deficiency symptoms of**
 A Fe B Mn
 C Zn D Cu
- 63 Blossom end rot in tomato and ber is due to**
 A Ca deficiency B Mg deficiency
 C S deficiency D K deficiency
- 64 Downward cupping of leaves in Tobacco and Tea is due to deficiency**
 A Ca B S
 C Mn D Mg
- 65 Hen and chicken disorder in group is due to deficiency of**
 A Cl B Cu
 C Fe D Bo
- 66 Buttoning disorder in cauliflower is due to**
 A Ca deficiency B Cu deficiency
 C S deficiency D K deficiency
- 67 Indian soils are mostly deficient in**
 A Zn B Cu
 C Fe D Mn
- 68 Excess of NPK causes..... Element deficiency**
 A Fe B B
 C Mg D Cu
- 69 Ca is antagonistic to**
 A N B P
 C Fe D K
- 70 B is antagonistic to ..**
 A Cu B Fe
 C Mg D Mo

- 71 Indicator plant of N deficiency**
 A Maize B Mustard
 C Small millet D All of above
- 72 Indicator plant of S deficiency**
 A Sorghum B Barley
 C Lucern D Oat
- 73 Liming material used for reclamation of soil**
 A Acid B Saline
 C Saline -alkali D Alkali
- 74 Alkali soil are reach insalts**
 A Ca B Mg
 C Na D K
- 75 The expenditure on Increases as income increases**
 A Necessaries B Requirement
 C Luxuries D None
- 76 The difference between what we are prepared to pay and what we actually pay is known as**
 A Consumers good B Total utility
 C Consumers Surplus D None
- 77 Line passing through the least cost points in the iso-quant map is called as**
 A Ridge line B Expansion path
 C Iso cost line D Iso-quant curve
- 78 We get maximum satisfaction when**
 A Marginal utility is the same B Total utility is the same
 C Average utility decreases D Total utility maximum
- 79 Farm management deals with**
 A Use of scare resources B Judicious decision
 C Profit maximization and family satisfaction D All of above
- 80 Which of the following is not a component of farm business**
 A Land B Labour
 C Capital D Water
- 81 The marginal cost curve intersects average cost curve when average cost curve is at**
 A Raising B Falling
 C Maximum D Minimum
- 82 Which of the following is not farming system on the basis of management classification**
 A State farming B Tenant farming
 C Dry farming D Co- operative farming
- 83 Variable cost is also known as**
 A Implicit farming B Fixed cost
 C Marginal cost D Prime cost
- 84 Fixed cost is also known as**
 A Overhead cost B Prime cost
 C Marginal cost D Opportunity cost
- 85 When the quantity demanded of the commodity decreases with increases in its price is called as**
 A Extension demand B Decrease in demand
 C Contraction demand D None
- 86 In three stages of production function rational stage is always**
 A Second stage B First stage
 C Third stage D None
- 87 For purchasing tractor the loan distributed disbursed is catagorised as**
 A Medium term loan B Long term loan
 C Short term loan D None

- 88 In three stages of production function when marginal product is always zero then the total product is ...
 A Maximum B Minimum
 C Variable D Constant
- 89 Standard of living means quality and quantity of
 A Investment B Expenditure
 C Yield D Consumption
- 90 Reclamation disease in cereals due to
 A Ca deficiency B Cu deficiency
 C Mn deficiency D Mo deficiency
- 91 Nereis toxin is Originated insecticide
 A Animal B Plant
 C Synthetic D None
- 92 Which of the following is carbamate insecticide
 A Methomyl B Dimethiate
 C Monocrotophos D Acephate
- 93 Warfarin is
 A Rodenticide B Acaricide
 C Avicide D Insecticide
- 94 Metaldehyde is
 A Molluscide B Rodenticide
 C Insecticide D Avicide
- 95 Is potential host insect for rearing of trichogramma chilonis
 A Corcyra cephalonica B Spodoptera litura
 C Helicoverpa armigera D None
- 96 Cryptobagus montrouzieri is promising predator of
 A Bollyworm B Stem borer
 C Shoot fly D meal bug
- 97 Chrysoperla carnea is predatory during..... Stage
 A Grub B Adult
 C Grub and adult D None
- 98 Disease caused by virus to silkworm
 A Muscardine B Pebrine
 C Grasseries D Flachrie
- 99 Disease caused by bacteria to silkworm
 A Muscardine B Pebrine
 C Grasseries D Flachrie
- 100 Disease caused by fungus to silkworm
 A Muscardine B Pebrine
 C Grasseries D Flachrie
- 101 Disease caused by protozoa to silkworm
 A Muscardine B Pebrine
 C Grasseries D Flachrie
- 102 Is also called as golden silk
 A Eri silk B Tasar silk
 C Mulberry D Muga silk
- 103 Mulberry variety developed from tissue culture
 A M-S B S-1
 C DD-1 D V-1
- 104 Ideal soil sample for extraction of potato cyst nematode
 A 100 g B 150 g
 C 300 g D 200 g

- 105 Nematodes are**
 A Obligate parasite B Facultative saprophyte
 C Facultative parasite D Obligate saprophyte
- 106 In sap feeding insect head position is offtype**
 A Hypognathus B Prognathus
 C Opisthognathus D None
- 107 Maxillary palpi is..... In formation**
 A stimulatory B olfactory
 C protective D gustatory
- 108 Assymetrical mouth parts are present in**
 A Hoppers B Bugs
 C Honey bee D Thrips
- 109 The mouth parts in house fly aretype**
 A Siphoning B Chewing and lapping
 C Sponging D Rasping and sucking
- 110 In honey bees mandibles are use for**
 A Curring of food B Molding of wax
 C Defence D All of above
- 111 Process of protein synthesis occure in**
 A Nucleus B Ribosomes
 C Leucoplasm D cytoplasm
- 112 Which of thr following cell organelles called as Suicidal bag**
 A Ribosomes B Lysosomes
 C ER D Mitochondria
- 113 The process of synthesis of m - RNA from DNA template called as**
 A Transcription B Translation
 C Reverse transcription C None
- 114 Double helical structure of DNA was given by**
 A Watson and crick B William batson
 C Morgan D Hugo De-varies
- 115 Absence of chromosomes pair from a diploid set is termed as**
 A Monosomic B Nullisomic
 C Tetrasomic D None
- 116 Term mutation was described by**
 A Hugo De-varies B Jacob
 C Johhannson D benzer
- 117 Maturation of anthesis and stigma of a flower at the same time**
 A Bisexuality B Cleistogamy
 C Homogamy D Chasmogamy
- 118 Ground nut is Type of pollinated crop**
 A Self B Cross
 C Often cross D None
- 119 Term self incompatability was originally coined by**
 A stout B Koelreter
 C Huges and Bobcock D East
- 120 It is male sterial line used as female parent in crossing to developed a new hybrid seed**
 A A- line B B- Line
 C R - line D All of above
- 121 is homogeneous progeny of self pollinated homozygous plant**
 A Clone B Pureline
 C Inbred D None
- 122 Method of breeding used to the superiority of F1 hybrid over its parent**
 A Heterosis B Useful heterosis
 C both A & B D none

- 123 India first hybrid variety of jowar was CSH - 1 was released in**
 A 1971 B 1964
 C 1980 D 1986
- 124 First synthesis variety developed in.....**
 A Jowar B Tur
 C Maize D Gram
- 125 Father of seed technology**
 A Nobbe B Stephan haes
 C Johhannson D Smith
- 126 Central laboratory of AGMARK is located in**
 A Solapur B Nagpur
 C Delhi D Pune
- 127 Type of seed for which seed certification is not necessary**
 A Foundation seed B breeder seed
 C Registered seed D Certified Seed
- 128 It is the capacity of seed to remain capable of germination for some specific period of time**
 A Seed vigour B Seed vaibility
 C Germination vigour D None
- 129 Breaking of Dormancy in Potato which chemical is used**
 A KNo3 B H2So4
 C thiourea D None
- 130 The amount of living material in an otganism is called as**
 A Biomass B Tissue
 C cell D None
- 131 The word Ecology was coined by**
 A E. P. Odum B Hilare
 C Ernest Haeckel D H. C. Cowkss
- 132 Southern blotting is done for**
 A DNA B RNA
 C Protein D DNA/RNA
- 133 RAPD/AFLP are**
 A Codominant marker B Dominant marker
 C both A & B D none
- 134 Plasmid are the most commanly used as vectors**
 A Plasmid B Cosmid
 C YAC D Phagemid
- 135 Which of the following stabilizer used in Ice creame**
 A Edible gelatine B Sodium alginate
 C Guar gum D All of above
- 136 Long form of BIS**
 A Board of Indian Standard B Board of international standard
 C Bureau of Indian Standard D Bureau of international standard
- 137 The bio preservative used in milk and milk products**
 A Citric acid B nisin
 C Bifidin D Bothe B and C
- Is the process of adjusment of fat and solid not fat of milk to destroy value so as to**
138 confirm to the legal requirement precribed
 A Homogenization B Standardization
 C Pasturazation D None
- 139 Table butter contain**
 A 70% B 60%
 C 80% D 100%

- 140 India rank In milk production**
 A 1st B 2nd
 C 4th D 3rd
- 141 Paneer is Milk product**
 A Heat dessicatted B Fermented
 C Heat - Acid coagulated D Enzyme coagulated
- 142 Milk is practically free from colostrom after**
 A 5 days B 6 days
 C 7 days D 8 days
- 143 Bacteria can grow at temp. Above 50**
 A Psychotropic B Thermophilic
 C mesophilic D none
- 144 The normal Freezing point of milk is**
 A 0 B 0.53
 C 0.57 D -0.57
- 145 Pindi, Dhap, Danedar are the type of**
 A Pedha B Khoa
 C Lassi D Kalakand
- 146 Are the chemicals which are used for coagulation of milk**
 A Citric acid B Tartaric acid
 C Both A & B D None
- 147 The process of forcing and subdividing the fat globules is known as.....**
 A Homogenization B Standardization
 C Pasturazation D Hybridization
- 148 Lactose present in the milk in the form of**
 A Suspension B Colloidal
 C Gel D Emultion
- 149 By product obtained during manufacturing of butter**
 A Paneer B Khoa
 C White ghee D Whey
- 150 Roghages contains**
 A > 18 % crude fibre B < 18 % crude fibre
 C < 60% TDN D None
- 151 Parakeratosis in animal cause by deficiency of**
 A Mn B Zn
 C Mg D Ca
- 152 Urea can be used safely upto % in ruminants**
 A 5 B 10
 C 20 D 15
- 153 Mastitis is inflamation of**
 A Udder B Rumen
 C Gut D legs
- 154 A cow should given preganancy ration after Months**
 A 4 B 5
 C 6 D 7
- 155 Speker-Speech-Audience is model of communication**
 A Shanon and weaver B Aristotle
 C Berlos D SMCRE
- 156is a person who start the process of communication**
 A Leader B Communicator
 C Teacher D None

- 157 Is a mental process through which an individual passes first hearing about an innovation to final adoption
- A Adaptation 6 Adoption
C Acceptance 7 None
- 158 Laggard is also known as
- A Venturesome B Respectable
C Deleberate D Traditional
- 159 Marthandum was started by
- A Mahatma Gandhi B Dr Spencer hatch
C F. L. Bryne D None
- 160 When the group are formed with certain rules and regulation it is known as
- A Formal group B Informal group
C Primary group D None
- 161abstract categories of person arranged in levels according to the social status they posses
- A Caste system B Class system
C Both D None
- 162 Which of the following is incorrect statement regarding custom
- A Custom are interwoven with our life B Vary according to different group
C Change easily D Regulate mans action
- 163 Which of the following type of family which contain married couple and their children and is well separated from other relative who may pay short visit if at all
- A Consagainal family B Nuclear family
C Big family D Small family
- 164 Sarpanch isleader
- A Professional B Formal
C Informal D Local
- 165is the science of human behaviour
- A Extension B Psychology
C Sociology D None
- 166 Population percentage of idiots is%
- A 0.2 B 0.1
C 1 D 0.5
- 167 Ups and down in mood is the characteristics of which of the following personality
- A Introvert B Extrovert
C Ambivert D None
- 168 Last step in extension teaching is
- A Attension B Interest
C Action D Satisfaction
- 169 In which of the following extension teaching method there is chance of biasness
- A Group contact B Mass contact
C Individual contact D None
- 170 Source-Message-Channel-Receiver-Effect is model of communication was developed by
- A Leagan's B Roger and shoemaker
C Aristotle D Berlos
- 171 Which of the following is not stage of innovation decision
- A Awareness stage B Knowledge
C Persuasion D Decision
- 172 Which of the following categories people take risk have good contact with extension worker
- A Laggard B Venturesome
C Respectable D Deleberate
- 173 Exhibition is the.....method
- A Individual contact B Group contact
C Mass contact D None

- 174 Which one of the following is audio-visual aids**
 A Movie film B Radio
 C Personal letter D Office
- 175 Disel engine does not have**
 A Piston B Injector
 C Spark pluge D None
- 176 Biogas invented by**
 A Mehta B S.P. Desai
 C Nicholsan D None
- 177 Major composition of biogas is methane is about%**
 A 55-60 B 35-40
 C 01-Feb D 05-Oct
- 178 The measure of ignition quality of fuel are**
 A Octane number B Cetane number
 C Bioth Octane and cetane number D None
- 179 Walking type of tractor is known as.....**
 A Wheel tractor B Power tiller
 C Mower D None
- 180 is abnormal condition in plant produced by pathogen is called as**
 A Syndrome B Symptoms
 C Disease D sign
- 181 when a disease is more or less constantly present from year to year in moderate form**
 A Endemic disease B Epiphytotic disease
 C Pandemic disease D Sporadic disease
- 182 Is the connecting link between living and non-living organism**
 A Fungi B Viruses
 C Bacteria D Nematode
- 183 which of the following is sexual spore**
 A Clamydospores B Conidia
 C Oidia D Oospore
- 184 Which of the following is nonmotile spore**
 A Zoospore B Swarmspore
 C Applanospore D None
- 185 Bionomial system of nomenclature was given by**
 A P. A. Michelli B Carlous linnaeus
 C Robert hook D None
- 186 Spore fruit usually open at mouth this opening is called as**
 A Ostiole B Sorus
 C Coremium D none
- 187 Which scientist first used sulphur as fungicide**
 A P. A. Michelli B Robertson
 C Anton de berry D None
- 188 Is union of two protoplast**
 A Kariogamy B Parasexualiry
 C Somatogamy D Plasmogamy
- 189 It is condition in which both the sex organ are produced on same thallus**
 A Homothalism B Heterothalism
 C Both a and b D None
- 190 The deficiency of nitrogen in plants first appears on**
 A Stem B Older leaves
 C Roots D Younger leaves
- 191 Respiration takes place only in presence of**
 A Oxygen B CO₂
 C Nitrogen D Water

- 192 Which of the following nutrient is not found in chloroplast**
A N B Mg
C Fe D O
- 193 Growing plants at a new place brought from different places is called as**
A collection B Adaptation
C Introduction D Multiplication
- 194 Name the crop associated with Tikka disease**
A Banana B Sugarcane
C Cauliflower D groundnut
- 195 Name the chemical That can control aphids effectively**
A Lime B Metasystex
C Vitavax D BHC
- 196 *Pectinophora gossypiella* is a common insect of**
A Cotton B Musturd
C Cabbage D Mung
- 197 Most infected crop with stem borer is**
A Rice B Wheat
C Gram D Maize
- 198 Yellow rust is disease of**
A Gram B Sugarcane
C Wheat D Potato
- 199 Culcatta is variety of**
A Papaya B Litchi
C Grape D Apple
- 200 Which of the following is a cole crop**
A Okra B Arbi
C Brinjal D cauliflower