

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

1. Which of the following is monocot
  - a. date palm
  - b. mango
  - c. cashewnut
  - d. pecanut
  
2. Fruit type of fig is
  - a. sorosis
  - b. hisperidium
  - c. synconus
  - d. balusta
  
3. Which of the following is known as king of fruits
  - a. Apple
  - b. Jackfruit
  - c. Banana
  - d. Mango
  
4. The most popular mango variety of India, susceptible to spongy tissue is
  - a. Dashehari
  - b. Alphonso
  - c. Amrapalli
  - d. Neelum
  
5. The leading commercial cultivar of banana is
  - a. Nendran
  - b. Poovan
  - c. Grand Naine
  - d. Dwarf Cavendish
  
6. Papain is extracted from
  - a. Stem
  - b. Leaves
  - c. Immature fruits
  - d. Ripe fruits
  
7. Best N<sub>2</sub> fertilizer for Pineapple is
  - a. Aluminium Sulphate
  - b. Urea
  - c. DAP
  - d. Aluminium Phosphate
  
8. Custard apple belongs to the family
  - a. Annonaceae
  - b. Anacardiaceae

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- c. Myrtaceae
  - d. Sapindaceae
9. Cauliflorous bearing habit is not seen in which of the following
- a. Jackfruit
  - b. Mango
  - c. Fig
  - d. Cocoa
10. Which of the following is Mandarin
- a. *Citrus sinensis*
  - b. *C. paradisi*
  - c. *C. grandis*
  - d. *C. Reticulate*
11. Most winter hardy clonal rootstock of apple is
- a. M-9
  - b. MM-104
  - c. M-27
  - d. M-7
12. In India, Date is harvested at
- a. DOKA Stage
  - b. DANG Stage
  - c. PIND Stage
  - d. RUTAB Stage
13. Richest source of iron is
- a. Jamun
  - b. Ber
  - c. Karonda
  - d. Aonla
14. Which of the following is a man made hybrid
- a. Pecanut
  - b. Loquat
  - c. Avocado
  - d. Strawberry
15. CNSL is obtained from
- a. Neem
  - b. *Aloe vera*
  - c. Cocoa
  - d. Cashewnut

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

16. CTC method is associated with
  - a. Arecanut
  - b. Coffee
  - c. Rubber
  - d. Tea
17. Betel vine belongs to the family
  - a. Umbelliferaceae
  - b. Rubiaceae
  - c. Piperaceae
  - d. Euphorbiaceae
18. Edible part of Asparagus is
  - a. roots
  - b. Corms
  - c. Tubers
  - d. Spears
19. Detaching the vegetative part of potato plant found above the ground from the root tubers before harvesting is known as
  - a. Dehaulming
  - b. Topping
  - c. Dehauling
  - d. Detopping
20. Pungency in radish is due to
  - a. allyl disulphide
  - b. allyl propyl disulphide
  - c. Thioisocyanates
  - d. all of these
21. 'Best of all' is a variety of
  - a. tomato
  - b. cucumber
  - c. chilli
  - d. carrot
22. India is the \_\_\_ largest producer of vegetables.
  - a. 1<sup>st</sup>
  - b. 2<sup>nd</sup>
  - c. 3<sup>rd</sup>
  - d. 4<sup>th</sup>
23. Which of the following is not a cole crop
  - a. radish
  - b. cabbage

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- c. brussel's sprout
  - d. cauliflower
24. The botanical name of garlic is
- a. *Cucumis cepa*
  - b. *Cucumis sativus*
  - c. *Allium sativum*
  - d. *Allium cepa*
25. Khufri Alankar & Khufri Kanchan is a variety of
- a. Potato
  - b. tomato
  - c. radish
  - d. cabbage
26. Centre of origin of brinjal is
- a. China
  - b. Iran
  - c. Brazil
  - d. India
27. Queen of spices is
- a. black pepper
  - b. Nutmeg
  - c. cardamom
  - d. clove
28. National Aromatic and Medicinal Plant Board is located at
- a. Odisha
  - b. New Delhi
  - c. Gujarat
  - d. Uttarpradesh
29. The first International Flower Auction Company in Asia is situated in
- a. NTC Delhi
  - b. Bangalore
  - c. Kolkata
  - d. Chennai
30. Single pinch, A pinch and a half & Double pinching is practiced in which flower crop
- a. Chrysanthemum
  - b. Marigold
  - c. Carnation
  - d. Rose

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

31. National flower of India is
- Rose
  - Jasmine
  - Marigold
  - Lotus
32. In which of the following flowers, the showy part is not the flower
- Bougainvillea
  - Poinsettia
  - Euphorbia mili*
  - all of these
33. Alsmeeera is a variety of
- Marigold
  - Rose
  - Tuberose
  - Gerbera
34. Which flower is known a Queen of East
- Chrysanthemum
  - Rose
  - Carnation
  - Orchid
35. Which of the following is not a climber
- Bougainvillea
  - Philodendron
  - Sweet pea
  - Amaryllis
36. Calyx splitting is a disorder associated with
- Rose
  - Gladiolus
  - Chrysanthemum
  - carnation
37. Which of the following is used as colouring agent
- BHT
  - Titanium Oxide
  - Monosodium Phosphate
  - Monosodium Glutamate
38. Blanching is done in
- Fruits
  - Vegetables
  - Spices

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- d. MAPs
39. Which of the following is known as 'Heart of Garden'
- Running Water
  - Pergolas
  - Arch
  - Lawn
40. Japanese flower arrangement is known as
- Hiraniwa
  - Tsukiyama
  - Ikebana
  - Hikaie
41. Major genes contribute disease resistance in the form of
- Vertical resistance
  - horizontal resistance
  - both
  - none
42. Chief enzyme found in yeast cell is
- Zymase
  - Amylase
  - Pectin
  - Pectinase
43. Inverted V-Shaped chlorosis from tip is due to deficiency of
- Fe
  - Mg
  - Mn
  - N
44. Who described the 1<sup>st</sup> plant nematode disease, the seed gall caused by *Anguinatritici*
- Anton de Bary
  - Needham
  - Luthra & Sattar
  - P. Micheli
45. Which of the following are true about CaMV
- 3 discontinuities
  - 8packed genes
  - dsDNA
  - all of these

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

46. Alternate host of black stem rust of wheat is
- Barberry
  - Oats
  - Wild wheat
  - Lantana
47. Quality of Bt Maize is considered as superior to that of non-Bt maize due to
- Level of fungal (Fusarium) damage is less
  - Lower Mycotoxin contamination
  - Both a & b
  - none of these
48. Trichoderma viride is used to control
- Virus
  - Bacteria
  - Fungus
  - Nematode
49. 'Fungi And Diseases in Plants' was written by
- Mundkur
  - E.J Butler
  - Anton de Bary
  - P. Micheli
50. Karnal Bunt was 1<sup>st</sup> reported by Mitra in
- 1930
  - 1931
  - 1932
  - 1933
51. Which of the following is the symptom of Bacterial blight of cotton
- Black arm
  - Angular leaf spot
  - Boll rot
  - all of these
52. Which of the following diseases is known as Kresek of Rice
- Brown spot
  - Bacterial leaf streak
  - Bacterial leaf blight
  - Khaira
53. *Ralstonia solanacearum* causes \_\_\_\_ in potato
- Brown rot
  - Soft rot
  - Black leg

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- d. Scab
54. Little leaf of brinjal is caused by
- Fungi
  - Bacteria
  - Virus
  - Phytoplasma
55. Club root is a serious disease of
- Cucurbits
  - Crucifers
  - Tubers
  - Pulses
56. Bordeaux mixture was discovered by\_\_\_ in 1885.
- P. Michelli
  - Mundkur
  - H.D Olmo
  - P. Milardett
57. Which of the following is also known as club fungi
- Zygomycota
  - Ascomycota
  - Basidiomycota
  - Deuteromycota
58. Foot rot/ stem rot of papaya is more common in
- young plants
  - Mature plants
  - hybrid plants
  - all of these
59. Oozing of amber coloured exudation from the bark of citrus is a symptom of
- Citrus greening
  - Huanglongbing
  - Gummosis
  - Tristeza
60. Which of the following diseases affects floral parts
- White rust of crucifers
  - Early blight of potato
  - cottony leak
  - damping off
61. Powdery mildew of grapevine is caused by
- Plasmoporaviticola



MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- b. Pseudoperonosporacubensis
  - c. Uniculanecator
  - d. Erysiphe viniferis
62. Rust is effectively controlled by
- a. Vitavax
  - b. Plantvax
  - c. Sulphur Fungicides
  - d. Copper fungicides
63. Powdery mildew is effectively controlled by
- a. Vitavax
  - b. Plantvax
  - c. Sulphur fungicides
  - d. Copper fungicides
64. Gram staining is done for
- a. fungi
  - b. bacteria
  - c. virus
  - d. mycoplasma
65. Leaf spot / Tikka disease of groundnut is caused by
- a. Cercosporaarachidicola
  - b. Cercosporapersonata
  - c. Cercosporaparasitica
  - d. Both a&b
66. Coop 12 & Red Free are scab resistant varieties of
- a. Potato
  - b. Apple
  - c. Tomato
  - d. Cherry
67. Who discovered the disease cycle of cereal rust in India
- a. K.C Mehta
  - b. Anton de Bary
  - c. B.B. Mundkur
  - d. Luthra &Sattar
68. Leaf rust of coffee is caused by
- a. *Hemiliaevastatrix*
  - b. *Uromyces phaseoli*
  - c. *Puccinia striiformis*
  - d. none of these

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

69. Race specific resistance is called
- Horizontal resistance
  - Vertical resistance
  - Total resistance
  - none of these
70. Soil microorganism is most active at
- 18-22°C
  - 22-28°C
  - 28-34°C
  - 34-36°C
71. Loose smut of barley is
- Internally seed borne
  - Externally seed borne
  - Soil borne
  - all of these
72. Which of the following is not a symptom of anthracnose of chilli
- root rot
  - dieback
  - fruit rot
  - none of these
73. The most serious disease of banana is
- sigatoka
  - panama wilt
  - bunchy top
  - none of these
74. Vector of bunchy top of banana is
- Bemesiatabaci
  - Pentalonianigronevosa
  - Myzuspersicae
  - Nephotettixvirescens
75. Which of the following parasite is commonly associated with sorghum
- Cuscuta
  - Loranthus
  - Orobanche
  - Striga
76. A semi-parasite of trunks and branches is
- Cuscuta
  - Loranthus
  - Orobanche

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- d. Striga
77. Hollow stem in cauliflower is due to deficiency of
- B
  - Ca
  - Zn
  - Mo
78. Bitter pit is a serious disorder of
- Carrot
  - Radish
  - Apple
  - Tomato
79. Which of the following is considered as the oldest among the synthetic fungicides
- Copper fungicides
  - Sulphur fungicides
  - Mercurial fungicides
  - Organo-Tin
80. The main disadvantage of using antibiotics for disease management is
- Costly
  - Phytotoxicity
  - Requires large amount
  - Difficult to use
81. Which of the following causes maximum losses in crops
- weeds
  - pathogens
  - Insects
  - rodents
82. The density of pest population which needs control measures is known as
- Economic Injury Level (EIL)
  - Economic Threshold Level (ETL)
  - Economic Control Level (ECL)
  - All of these
83. In Class Hexapoda, body is divided into \_\_\_\_ Segments
- 2
  - 3
  - 4
  - 5
84. Legs and wings of insects are present on the
- Thorax & Abdomen

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- b. Thorax
  - c. Abdomen
  - d. all the segments
85. Johnston's organ is a sensory organ present in the \_\_\_ of insects
- a. Hind legs
  - b. Fore legs
  - c. Antenna
  - d. Wings
86. Sawflies belong to the order
- a. Diptera
  - b. Hymenoptera
  - c. Hemiptera
  - d. Coleoptera
87. Which of the following modification of legs is seen in grasshoppers
- a. Cursorial
  - b. Saltatorial
  - c. Natatorial
  - d. Ambulatorial
88. Complete metamorphosis is known as
- a. Ametabola
  - b. Hemimetabola
  - c. Holometabola
  - d. Hypermetabola
89. Apodous larvae is characterized by
- a. Well developed head capsule
  - b. Abdominal legs in addition to prothoracic legs
  - c. No legs and poorly sclerotized
  - d. all of these
90. Alimentary canal is \_\_\_\_\_ in origin
- a. Ectoderm
  - b. Endoderm
  - b. Ectoderm & Endoderm
  - d. Mesoderm & Ectoderm
91. Which of the following is an excretory organ
- a. Crop
  - b. oesophagus
  - c. Malpighian tubules
  - d. all of these

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

92. The blood of insect is known as
- Haemocoel
  - Haemolymph
  - Pylorus
  - Leghaemoglobin
93. National Bureau of Agriculturally Important Insects is located at
- New Delhi
  - Chennai
  - Hyderabad
  - Bangalore
94. Trichogramma is
- Egg parasitoid
  - Larval parasitoid
  - Pupal
  - Adult
95. *Vadalia* beetle (*Rodolia cardinalis*) is one of the earliest examples of successful control of pest using predators. It was used for controlling
- Apple Wolly aphid
  - Cottony cushion scale
  - Brown Plant Hopper
  - San Jose scale
96. Rhinoceros beetle is a major pest of
- Sugarcane
  - Coconut
  - Areca nut
  - Tea
97. Which of the following is an important characteristic of a good fumigant
- Should have high vapour pressure
  - Should be toxic to all stages of an insect
  - Uniform distribution without settling down
  - all of these
98. Which of the following is not a factor affecting the penetration of insecticides through the cuticle
- Chemical nature of insecticides
  - Thickness of cuticle
  - Nature of carriers and solvents
  - None of these
99. Which of the following is a factor causing Resurgence?
- High Fecundity

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- b. Suppression of natural enemies
  - c. Accelerated growth of insects
  - d. All of these
100. Which of the following is not a mechanism of resistance given by R.H Painter
- a. Antixenosis
  - b. Antibiosis
  - c. Resistance
  - d. Tolerance
101. A chemical factor that triggers social responses and is usually secreted by females to attract males is known as
- a. Hormones
  - b. Kairomones
  - c. Pheromones
  - d. Allomones
102. Failure of insects to recognize treated crops as food can be achieved by
- a. Antifeedants
  - b. Repellants
  - c. Attractants
  - d. Chemosterillants
103. Soil solarisation come under which category of IPM
- a. Cultural method
  - b. Biological Method
  - c. Mechanical method
  - d. none of these
104. Import of food grains from USA brought in which of the following weed
- a. Parthenium
  - b. *Cynodondactylon*
  - c. *Cyperus rotundus*
  - d. Hyacinth
105. Main symptom of yellow stem borer is
- a. Silvery shoot
  - b. Dead heart
  - c. Hopper burn
  - d. White chaffy grains

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

106. Gundhi bug is a pest of
- Wheat
  - Maize
  - Rice
  - Sorghum
107. Sunflower head borer is
- Helicoverpa armigera*
  - Chiloptellus*
  - Plutellaxyllostella*
  - Lipaphiserysimi*
108. Which of the following is a pest of sugarcane
- Gurdaspur borer
  - Pyrilla
  - Top shoot borer
  - all of these
109. Which of the following is polyphagous
- red hairy caterpillar & Army worm
  - White grub & Cutworm
  - Termites & Locust
  - all of these
110. Trade name of aluminium phosphide is
- Warafin
  - Celphos
  - Nemagone
  - Nemaphos
111. Which of the following is not matched correctly
- Pink bollworm- *Pectinophora gossypiella*
  - Spotted bollworm- *Eariasvitella*
  - American bollworm- *Helicoverpa armigera*
  - none of these
112. Dwelling place of termites is known as
- Hill
  - Mound
  - Hive
  - Dome
113. Transgenic crop having maximum area in the world is
- Maize
  - Tobacco
  - Soybean

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- d. Cotton
114. Malathion and parathion falls under which category of insecticides
- Organo-chlorines
  - organophosphates
  - carbamates
  - pyrethroids
115. Leaf spot or tikka is the disease of
- Soybean
  - Sunflower
  - Groundnut
  - none of these
116. Insects come under the Phylum
- Hexapoda
  - Insecta
  - Arthropoda
  - Mollusca
117. Enhancing the activity or other property of pesticide mixture is achieved by
- Active ingredient
  - Adjuvant
  - Formulant
  - Formulation
118. The mandate of KVK is
- Technology assessment and demonstration for its public
  - Capacity development
  - Both a&b
  - none of these
119. Which of the following has its Headquarter in Hyderabad
- IIHR
  - ICRISAT
  - CFTRI
  - CRRI
120. Which of the following was launched during ICAR's Golden Jubilee celebration
- National seed programme
  - Kisan call centre
  - Lab to land programme
  - Kisan credit card



MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

121. Who presented the historical paper entitled 'Experiments in plant hybridization' to the "Brunn society for the study of natural sciences" published in 1866.
- Hugo de Vries, Carl Correns & E. Tschermak
  - G.J. Mendel
  - Charles Dawrin
  - M. Schleiden & T. Schwann
122. Which of the following was contributed by K. Pearson
- Sex linkage in drosophila
  - Chi-Square test
  - Double helix model of DNA
  - Cell theory
123. The ratio of Duplicate dominance is
- 12:3:1
  - 9:3:4
  - 15:1
  - 9:7
124. The "Primary centres of Origin" was proposed by
- Vavilov
  - De Candole
  - E. Strausberger
  - C. Dawrin
125. The progeny of a single plant obtained by asexual reproduction is called as
- Cybrid
  - Hybrid
  - Clone
  - Duplicate
126. *Oryza sativa* is a diploid species having chromosome number
- 22
  - 24
  - 26
  - 28
127. Gene responsible for dwarfing character in rice is
- Norin 10
  - Tift 23 A
  - Dee-geo-woo-gen

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- d. Opaque-2
128. The first AICRP was introduced for which crop
- a. Rice
  - b. Maize
  - c. Mango
  - d. Wheat
129. An organism which has acquired heritable variation as a result of sudden change in the hereditary material is called as a
- a. Mutant
  - b. Hybrid
  - c. Biotype
  - d. Albino
130. Multiple effects of a single gene is known as
- a. polyploidy
  - b. heteroploidy
  - c. autopolloidy
  - d. pleiotropy
131. A virus free plant from a virus infected plant can be obtained from
- a. anther culture
  - b. stem culture
  - c. meristem culture
  - d. embryo culture
132. Genetically the most pure seed is
- a. breeder seed
  - b. nucleus seed
  - c. foundation seed
  - d. certified seed
133. Who is known as the father of genetics
- a. GJ Mendel
  - b. Anton De Bary
  - c. Johannsen
  - d. TH Morgan
134. Chromosomal theory of inheritance was given by
- a. Sutton & Boveri
  - b. Bateson & Punnett
  - c. Watson & Crick
  - d. Johannsen

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

135. Seedless watermelon is
- Diploid
  - Triploid
  - Tetraploid
  - Hexaploid
136. The first cotton hybrid was developed in India. It was named as\_\_\_
- Bollguard
  - Pusa Safed
  - H4
  - Varalaxmi
137. NBPGR is
- National Bureau and Pest Genetic Reserves
  - National Botanicals and Plant Genetic Resources
  - National Bureau of Plant Genetic Reserves
  - National Bureau of Plant Genetic Resources
138. Pureline theory was proposed by
- Bateson
  - Johannsen
  - Yule
  - Nilsson Ehle
139. Inbred lines in maize are maintained by
- self-pollination
  - Open pollination
  - Cross pollination
  - Emasculation
140. Triticale is a
- Interspecific cross
  - Intraspecific cross
  - Intergeneric cross
  - Intrageneric cross
141. The progeny of a single homozygous self pollinated plant is called
- clone
  - inbred
  - pureline
  - Landrace
142. Which is the correct order of events in the cell?
- Transcription, translation & protein synthesis
  - Translation, transcription & protein synthesis

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

- c. Protein synthesis, translation & transcription
  - d. Transcription, protein synthesis & translation
143. Local varieties are also known as
- a. Advanced varieties
  - b. land races
  - c. Ancestor variety
  - d. pure breed
144. The source of dwarfing gene in wheat is
- a. Norin 10
  - b. Dee-geo-woo-gen
  - c. Opaque
  - d. CSH
145. Shaktiman is a new variety of
- a. rice
  - b. wheat
  - c. maize
  - d. sorghum
146. Highest uniformity is present in
- a. single cross
  - b. double cross
  - c. Three way cross
  - d. multiple cross
147. The concept of vertical and horizontal resistance was given by
- a. Robinson
  - b. Russell
  - c. H.D Olmo
  - d. Van der Plank
148. Superiority of F<sub>1</sub> hybrids over a standard commercial variety is known as
- a. Heterosis
  - b. Luxuriance
  - c. Economic heterosis
  - d. Relative heterosis
149. The first artificial hybrid was made by
- a. Mendel
  - b. Beal
  - c. Fairchild
  - d. Russell

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

150. Law of segregation was given by
- Virchow
  - Bateson
  - TH Morgan
  - Mendel
151. Acquisition of the property of indefinite growth by an animal cell is termed as
- transformation
  - immortalization
  - Malignation
  - Ligma
152. 3'→5' strand of the DNA molecule is known as \_\_\_\_\_ strand and 5'→3' strand of the DNA molecule is known as \_\_\_\_\_ strand
- Leader, Follower
  - Runner, Lagging
  - Leading, Lagging
  - Runner, Follower
153. Which colour tag is found in foundation seeds
- Golden yellow
  - White
  - Purple
  - Blue
154. The capacity of the seeds to germinate is known as
- Dockage
  - Viability
  - Purity
  - Sprouting
155. Test weight is the weight of
- 10 seeds
  - 100 seeds
  - 1000 seeds
  - 10000 seeds
156. Which of the following method is known as bio-chemical test
- Tetrazolium test
  - Indigocarmine method
  - Potassium permanganate method
  - Embryo culture method

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

157. Isolation distance for maize, mustard & chillies for producing foundation seed is
- a. 3m
  - b. 50m
  - c. 200m
  - d. 400m
158. Dormancy can be broken by
- a. chilling
  - b. pre-soaking
  - c. rubbing/puncturing seed coat
  - d. all
159. Seed treatment is done for
- a. controlling disease
  - b. to break dormancy
  - c. protection against pest
  - d. all
160. The SEED ACT was passed on
- a. 1966
  - b. 1968
  - c. 1975
  - d. 1988
161. In India, foundation seed is produced by
- a. SSCA
  - b. NSC
  - c. Registered growers
  - d. all of these
162. Seed is a
- a. immature embryo
  - b. mature embryo
  - c. ripened ovary
  - d. all of these
163. The first private seed company i.e Sutton & sons was established at Kolkata in
- a. 1910
  - b. 1912
  - c. 1919
  - d. 1920

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

164. The first step in seed processing and marketing is
- grading
  - pre-cleaning
  - storage
  - seed drying
165. Process of removal of off plants from the field of an improved variety is called
- thinning
  - denavelling
  - Rouging
  - Termination
166. If cotyledons comes above the ground (eg. tamarind, sunflower), it is known as \_\_\_\_ germination
- Epigeal
  - Hypogeal
  - Apogeal
  - Heliogeal
167. Father of genetic engineering is
- Karl Ereky
  - Paul Berg
  - Roengten
  - Pogba
168. An excised fragment of a tissue or organ used for tissue culture is called
- explant
  - callus
  - marker
  - starter
169. Terminator technology is used for producing
- hybrid seeds
  - cybrids
  - sterile seeds
  - T-800

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

170. Which of the following category of plasmid replicate on their own
- Stringent plasmid
  - Relaxed plasmid
  - Ti-Plasmid
  - none of these
171. The diffusion of solvent particles out of a living cell is
- Endosmosis
  - Exosmosis
  - Imbibition
  - Deplasmolysis
172. Who proposed root pressure theory
- Dixon & Jolly
  - Stephen Hales
  - JC Bose
  - Liebig
173. The final product of CO<sub>2</sub> fixation in C<sub>3</sub> plants is
- 3PGA
  - RUBISCO
  - OAA
  - PEP Carboxylase
174. Which of the following is not a CAM plant
- agave
  - Kalanchoe
  - Pineapple
  - Banana
175. the principal organ of transpiration is
- stem
  - leaf
  - roots
  - flowers
176. Fruit ripening can be induced by
- auxin
  - cytokinin
  - GA
  - Ethylene



MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

177. which of the following is not a growth promoter
- ABA
  - Auxins
  - Cytokinins
  - Gibberellins
178. who is the father of agricultural biochemistry
- Justus von Liebig
  - Stephen Hales
  - Funk
  - Louis Pasteur
179. which of the following is also known as corn sugar
- Fructose
  - Glucose
  - Galactose
  - Sucrose
180. Macromolecule chitin is
- Phosphorous containing polysaccharide
  - Nitrogen containing polysaccharide
  - Sulphur containing polysaccharide
  - Simple polysaccharide
181. chlorophyll is present in
- Grana of chloroplast
  - stroma of chloroplast
  - surface of chloroplast
  - dispersed throughout chloroplast
182. vitamin A is known as
- Retinol
  - Riboflavin
  - Ascorbic acid
  - Calciferol
183. Which of the following vitamins are Fat soluble
- A
  - B complex
  - C
  - none of these

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

184. Maximum percentage of photosynthesis is carried out by
- Trees
  - Shrubs
  - Grasses
  - algae
185. Contribution to photosynthesis is maximum from
- Awns
  - older leaves
  - flag leaves
  - stems and branches
186. Stomata open and close due to
- Circadian rhythm
  - genetic clock
  - pressure of gases in the leaves
  - Turgor pressure of guard cells
187. Which of the following will have minimum transpiration
- cactus
  - hydrilla
  - Mango
  - banana
188. Which of the following is not a function of root hairs
- water uptake
  - oxygen uptake
  - mineral uptake
  - none of these
189. The hormone reducing transpiration by inducing stomatal closure is
- ABA
  - ethylene
  - cytokinin
  - auxin
190. Effects of low temperature which shortens vegetative period and hastens flowering is known as
- photolysis
  - photoperiodism
  - heliotropism
  - vernalization

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

191. Who discovered electron microscope
- Robert Koch
  - Robert hooke
  - leeuwenhoek
  - knoll & Ruska
192. The region of leaf influenced by microorganism is known as
- Microsphere
  - Phyllosphere
  - Microplane
  - Phylloplane
193. Viroids were discovered by
- Beijerinck
  - Ivanowsky
  - TO Diener
  - Singer & Nicholson
194. Which of the following worked on breeding of drought resistant/tolerance crops
- RD Asana
  - CM Donald
  - VH Blackmann
  - Paul Scholes
195. The main function of leghaemoglobin is
- Fe supply
  - Oxygen supply
  - water supply
  - all of these
196. Brassino steroid is present in
- Mustard
  - Cotton
  - Sunflower
  - Gourd
197. Apical dominance is the result of
- GA
  - Ethylene
  - Auxin

**MAGDALINE COACHING CENTRE (mc<sup>2</sup>)**  
**AGRICULTURE SCIENCE PAPER 2**

(Answer key at the bottom)

d. cytokinin

198. General starvation in plants is the deficiency of which element

- a. N
- b. P
- c. K
- d. Mg

199. Total amount of water content present in soil is called

- a. Holard
- b. Chresard
- c. Echard
- d. Water table

200. Which gas is considered as antagonist to ethylene action

- a. O<sub>2</sub>
- b. N<sub>2</sub>
- c. CO<sub>2</sub>
- d. CH<sub>4</sub>

Q.no	Ans	Q.no	Ans	Q.no.	Ans	Q.no	Ans	Q.no	Ans
1	A	41	A	81	A	121	B	161	B
2	C	42	A	82	B	122	B	162	B
3	D	43	D	83	B	123	C	163	B
4	B	44	B	84	B	124	A	164	D
5	D	45	D	85	C	125	C	165	C
6	C	46	A	86	B	126	B	166	A
7	A	47	C	87	B	127	C	167	B
8	A	48	C	88	C	128	B	168	A
9	B	49	B	89	C	129	A	169	C
10	D	50	B	90	B	130	D	170	D
11	B	51	D	91	C	131	C	171	B
12	A	52	C	92	B	132	B	172	B
13	C	53	A	93	D	133	A	173	A
14	D	54	D	94	A	134	A	174	D
15	D	55	B	95	B	135	B	175	B
16	D	56	D	96	B	136	C	176	D
17	C	57	C	97	D	137	D	177	A
18	D	58	A	98	D	138	B	178	A
19	A	59	C	99	D	139	A	179	B
20	C	60	A	100	C	140	C	180	B
21	A	61	C	101	C	141	C	181	A
22	B	62	B	102	A	142	A	182	A
23	A	63	C	103	A	143	B	183	A

MAGDALINE COACHING CENTRE (mc<sup>2</sup>)  
AGRICULTURE SCIENCE PAPER 2

(Answer key at the bottom)

24	C	64	B	104	A	144	A	184	D
25	A	65	D	105	B	145	C	185	C
26	D	66	B	106	C	146	A	186	D
27	C	67	A	107	A	147	D	187	A
28	B	68	A	108	D	148	C	188	D
29	B	69	B	109	D	149	C	189	A
30	C	70	D	110	B	150	D	190	D
31	D	71	A	111	D	151	B	191	D
32	D	72	A	112	B	152	C	192	B
33	D	73	B	113	C	153	B	193	C
34	A	74	B	114	B	154	B	194	A
35	D	75	D	115	C	155	C	195	B
36	D	76	B	116	C	156	A	196	A
37	B	77	A	117	B	157	D	197	C
38	B	78	C	118	C	158	D	198	A
39	D	79	B	119	B	159	D	199	A
40	c	80	B	120	C	160	A	200	C