

152/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. 'Ca', 'Mg', and 'S' utilized by the plant from the soil are considered as :
(A) Major nutrients (B) Secondary nutrients
(C) Micro nutrients (D) Trace elements
2. Class of seed designed for use by farmers in sowing :
(A) Registered Seeds (B) Certified Seeds
(C) Breeder Seeds (D) Foundation Seeds
3. _____ is not a mechanical method of weed control.
(A) Hoeing (B) Hand pulling
(C) Smother Crops (D) Mowing
4. Emitters, filter unit etc are associated with :
(A) Drip Irrigation (B) Sprinkler Irrigation
(C) Over Head Irrigation (D) Flood Irrigation
5. Layering type in plants with flexible branches :
(A) Air layering (B) Simple layering
(C) Mount layering (D) Trench layering
6. Pepper variety cultivated in comparatively open areas :
(A) Panniyur-1 (B) Panniyur-2
(C) Panniyur-4 (D) Pournami
7. Kerachandra is also known as :
(A) Andaman Ordinary (B) Philippines Ordinary
(C) Lakshadweep Ordinary (D) Java

8. Most appropriate propagating material for banana :
- (A) Sword sucker (B) Water sucker
(C) Seeds (D) Pseudostem
9. Micro organism used for the coirpith composting :
- (A) bacillus Sp (B) eudrillus Sp
(C) pleurotus Sp (D) glomus Sp
10. Irrigation suitable for potato, sugar beat, raddish :
- (A) Check Basin (B) Ring basin
(C) Flooding (D) Furrow
11. Best species of earthworm for vermi technology :
- (A) Perinonyx escavatus (B) Pleurotus Sp
(C) Eudrillus euginae (D) Isenia foetida
12. Which of the essential elements imparts dark green colour of the Leaves and promote vegetative growth?
- (A) Potassium (B) Phosphorus
(C) Nitrogen (D) Magnesium
13. Maximum permissible moisture content of rice :
- (A) 13% (B) 15%
(C) 18% (D) 20%
14. A Transplanted crop :
- (A) Cotton (B) Potato
(C) Chilly (D) Maize
15. Repotting of bush pepper is done in every :
- (A) One year (B) Three years
(C) Two years (D) Five years

16. A poisonous weed :
- (A) Parthenium (B) Lantana
(C) Cynodon (D) Cyperus
17. Trickle Irrigation is :
- (A) Ring Irrigation (B) Sprinkler Irrigation
(C) Over Head Irrigation (D) Drip Irrigation
18. A mobile element :
- (A) Calcium (B) Iron
(C) Sulphur (D) Magnesium
19. Most beneficial form of soil structure for plant growth :
- (A) Loamy soil (B) Silty soil
(C) Granular soil (D) Platy soil
20. A Selective herbicide for controlling broad leaved weeds :
- (A) 2, 4-D (B) Dalapon
(C) Glyphosphate (D) Paraquat
21. Operation that is not related with the processing of rice :
- (A) Whitening (B) Milling
(C) Polishing (D) Dehusking
22. The C:N ratio of coirpith after composting is :
- (A) 112:1 (B) 32:1
(C) 55:1 (D) 24:1
23. Water applied to the soil in the form of thin spray from above :
- (A) Sprinkler Irrigation (B) Drip Irrigation
(C) Trickle Irrigation (D) Flood Irrigation

24. Whiptail in cauliflower is caused by the deficiency of :
- (A) Zinc (B) Manganese
(C) Molybdenum (D) Boron
25. Weeds valued for religious purposes :
- (A) *Eichhornia crassipes* (B) *Amaranthus Sp*
(C) *Imperata cylindrica* (D) *Ocimum sanctum*
26. Generally virippu season of rice extends from :
- (A) April – May to Sept – Oct (B) Sept – Oct to Dec – Jan
(C) Dec – Jan to Mar – April (D) April to Aug
27. Intensive tapping in rubber tress prior to replanting is called :
- (A) Rain guarding (B) Tapping
(C) Slaughter tapping (D) Tapping rest
28. A Banana variety suitable for intercropping in coconut :
- (A) Poovan (B) Palayan Kodan
(C) Robusta (D) Cavendish
29. Tag to identify registered seed is :
- (A) Purple (B) Blue
(C) White (D) Yellow
30. Fore wings of bug are called :
- (A) Elytra (B) Membranous
(C) Halteres (D) Hemelytra
31. Water Hyacinth is controlled using :
- (A) *Cryptobagous weevil* (B) *Neochitinia weevil*
(C) *Zygogramma beetle* (D) *Crociosema moth*

32. A good quality coconut seedling have a collar girth of :
- (A) 5 to 6 cm (B) 10 to 12 cm
(C) 17 to 18 cm (D) 20 cm
33. Whole rice panicle is transformed into cylindrical rod in _____ disease.
- (A) Udbatta (B) False smut
(C) Stack Burn (D) Brown spot
34. Which is not a predator?
- (A) Lady bird beetle (B) Cricket
(C) Spider (D) Trichogramma
35. Which among the following is not a green manuring 'insitu'?
- (A) Dhaincha (B) Cow pea
(C) Sunnhemp (D) Leucaena
36. A bio fertilizer which improves the uptake of phosphorus by inoculated plant :
- (A) Rhizobium (B) VAM
(C) Azotobacter (D) Azospirillum
37. Disease free planting material in banana is obtained through :
- (A) Tissue culture (B) Suckers
(C) Seeds (D) Sword sucker
38. Legless larva :
- (A) Caterpillar (B) Maggot
(C) Nymph (D) Grub
39. Tunnels seen and stunting of rhizome are associated with :
- (A) Banana Pseudo stem weevil (B) Banana rhizome weevil
(C) Aphid (D) Spindle bug

40. Which among the following is not a low analysis fertilizer?
- (A) Single super phosphate (B) Sodium citrate
(C) Urea (D) Calcium nitrate
41. Preparing seed bed, reducing ped size, weed control, incorporating fertilizer are associated with :
- (A) Primary tillage (B) Secondary tillage
(C) Inter tillage (D) Summer tillage
42. _____ refers to the amount of water required by a crop in its whole production period.
- (A) Consumptive Use (B) Water requirement
(C) Critical stages (D) Evapotranspiration
43. Biocontrol agent against Quick Wilt disease of pepper :
- (A) Potassium phosphonate (B) Bordeaux mixture
(C) Mancozeb (D) Trichoderma
44. In honey bees honey wax is secreted from the wax gland of :
- (A) Drones (B) Queen
(C) Worms (D) Workers
45. The period taken by black pepper from flowering to harvest is :
- (A) 2-3 months (B) 10-12 months
(C) 6-8 months (D) 12-14 months
46. Annual leaf fall of rubber is known as :
- (A) Wintering (B) Refoliation
(C) Flowering (D) Replanting
47. Annapurna, Jyothy, revathy are :
- (A) Early duration rice varieties (B) Medium duration rice varieties
(C) Late duration rice varieties (D) First crop rice varieties

48. Fruit rot, heavy defoliation are seen in _____ disease of rubber.
- (A) Powdery mildew (B) Abnormal leaf fall
(C) Pink disease (D) Shoot rot
49. Coconut belongs to the order :
- (A) Piperaceae (B) Euphorbiaceae
(C) Palmae (D) Musaceae
50. The method of feeding nutrients to the plants by applying fertilizer to the Foliage :
- (A) Basal dressing (B) Foliar application
(C) Starter solution (D) Fertigation
51. Total desertion of honey bee colony from its nest due to pest/disease attack is known as
- (A) Absconding (B) Swarming
(C) Smoking (D) Migratory bee keeping
52. A rice weed that is not a grass :
- (A) Varinellu (B) Kavada
(C) Polla (D) African payal
53. Rhinolure is the pheromone trap used against :
- (A) Red palm weevil (B) Ricestem Borer
(C) Mango fruit fly (D) Rhinoceros Beetle
54. The only method of producing new varieties in plants :
- (A) Asexual propagation (B) Sexual propagation
(C) Vegetative propagation (D) Leaf cutting
55. Cardamom research station is located at :
- (A) Odakkali (B) Anakkayam
(C) Pampadumpara (D) Konni
56. Bryophyllum is propagated by :
- (A) Leaf bud cutting (B) Leaf cutting
(C) Stem cutting (D) Root cutting

57. Thula varsham is :
- (A) South-west monsoon (B) North-east monsoon
(C) North-west monsoon (D) South-east monsoon
58. Rice varieties Vytilla-1, Vytilla-2 are suitable for :
- (A) Pokkali Area (B) Kole region
(C) Wyanad (D) Onattukara
59. Invitro method of plant propagation is :
- (A) Sexual propagation (B) Asexual propagation
(C) Micro propagation (D) Vegetative propagation
60. Fungal polluis is also known as :
- (A) Anthracnose (B) Pollu beetle
(C) Quick wilt (D) Nematode
61. A non flowering tree :
- (A) Azadirachta indica (B) Delonix regia
(C) Cassia fistula (D) Michalea chempaca
62. Which is not a bacterial disease?
- (A) Potato Scab (B) Leaf spot of chilly
(C) Citrus Canker (D) Blast of rice
63. King of spices :
- (A) Cardamom (B) Ginger
(C) Coffee (D) Pepper
64. Lemom grass, Vetiver etc are example of :
- (A) Spices (B) Plantation Crop
(C) Aromatic plant (D) Condiment
65. Parent plant used in asexual propagation is known as :
- (A) Clones (B) Mother palm
(C) Stock plant (D) Stolons

66. Rapid browning and death of leaves, floral parts :
- (A) Wilt (B) Dieback
(C) Blight (D) Damping off
67. System of rice cultivation where mixture of Non-Photosensitive and photosensitive varieties are used in virippu season :
- (A) Mundakan (B) Oorumundakan
(C) Kootumundakan (D) Pokkali
68. A viral disease of banana :
- (A) Bunchy top (B) Panama wilts
(C) Sigatoka (D) Spindle leaf minor
69. A variety of tomato released by IIHR Bangalore :
- (A) Arka Alok (B) Pusa early dwarf
(C) Pusa ruby (D) Sakthi
70. Little leaf of Brinjal is caused by :
- (A) Fungi (B) Virus
(C) Mycoplasma (D) Bacteria
71. Nest of honey bee :
- (A) Kennel (B) Shed
(C) Comb (D) Division Board
72. Budding in which a ring of bark is removed :
- (A) I-buding (B) Yemma budding
(C) Forket budding (D) Annular budding
73. West coast tall is not a parent of the following Hybrid Coconut :
- (A) Kerasree (B) Kerasawbhagya
(C) Chandralaksha (D) Keraganga
74. Silk is secreted by _____ gland of silk worm.
- (A) Silk gland (B) Salivary gland
(C) Wax gland (D) Thyroid

75. Ananthan, a variety of mushroom takes _____ days from spawning to harvest.
- (A) 12 (B) 8
(C) 20 (D) 4
76. Most severe form of rain water erosion :
- (A) Sheet (B) Rill
(C) Splash (D) Gully
77. A form of Multiple cropping where one crop starts after the growing season for the previous crop has ended :
- (A) Relay cropping (B) Double cropping
(C) Inter cropping (D) Mono cropping
78. Alternanthera, dwarf marigold are example of :
- (A) Hedge (B) Edge
(C) Flowering tree (D) Flowering climber
79. Balsam, Begonia are propagated by :
- (A) Hard wood cutting (B) Soft wood cutting
(C) Semi hard wood cutting (D) Herbaceous cutting
80. Powdered pesticide formulation containing wetting and dispersing agent
- (A) Dust (B) Granule
(C) Emulsifiable concentrate (D) Wettable powder
81. The first woman president of Indian National Congress :
- (A) Sarojini Naidu (B) Sucheta Kripalani
(C) Annie Besant (D) Indira Gandhi
82. Who led the revolt of 1857 at Kanpur?
- (A) Nana Sahib (B) Kunwar Singh
(C) Bahadur shah II (D) Rani Laxmi Bai
83. 'Ananda Mutt', the first novel in Bengali was written by :
- (A) Rabindranath Tagore (B) Kesav chandrasen
(C) Rajaram Mohan Roy (D) Bankim Chandra Chatterjee

84. The newspaper published by Bala Gangadhar Tilak :
- (A) Common wheel (B) Kesari
(C) Sambad kaumudi (D) Viveka Vardhini
85. The viceroy who partitioned Bengal :
- (A) Lord Curzon (B) Lord William Bentick
(C) Lord Hardinge (D) Lord Wellesley
86. Write the name of the river which flows towards the west :
- (A) Mahanadi (B) Godawari
(C) Narmada (D) Kaveri
87. Founder of Hindustan Democratic Federation :
- (A) J.M. Chatterjee (B) Sachindra Sanyal
(C) V.D Savarkar (D) Pramod mittar
88. The Konark sun temple is situated in :
- (A) Karnataka (B) Odisha
(C) Gujarat (D) Madhya Pradesh
89. Who presided over the Lahore congress in 1929?
- (A) Mottilal Nehru (B) Surendranath Banerjee
(C) Dr. Ansari (D) Jawaharlal Nehru
90. The states re-organization act was passed by the Indian parliament in :
- (A) 1955 (B) 1952
(C) 1950 (D) 1956
91. The national highway which connects Varanasi – Kanyakumari :
- (A) NH – 15 (B) NH – 5
(C) NH – 7 (D) NH – 8
92. The installation at Aruvippuram by Sree Narayanaguru was in the year :
- (A) 1885 (B) 1882
(C) 1887 (D) 1888

93. The mountain pass which connects Tirunelveli in Tamilnadu is Thiruvananthapuram in Kerala :
- (A) Bodinayakanur pass (B) Aramboli pass
(C) Thamarasseri pass (D) Kambam pass
94. Thirunavai, the place where the famous pan-kerala assembly 'Mamankom' was conducted is situated on the banks of the river :
- (A) Bharatapuzha (B) Periyar
(C) Chaliyar (D) Pamba
95. Sankara Narayana, the famous astronomer of South India was lived in the court of :
- (A) Kulasekhara Varman (B) Rajasekhara Varman
(C) Bhaskara Varman (D) Stanu Ravi Varman
96. The first president of Travancore State Congress :
- (A) Mannath Padmanabhan (B) T.M. Varghese
(C) Pattom Thanupillai (D) N.V. Joseph
97. The ruler who abolished the Devadasi system in Travancore :
- (A) Rani Sethu Lakshmi Bai (B) Sri Mulam Thirunal
(C) Rani Gowri Parvathi Bai (D) Swathi Thirunal
98. Who was the editor of the Malayalam journal 'Mitavadi' which fought against untouchability in Kerala?
- (A) C.V. Kunhiraman (B) A.K. Gopalan
(C) C. Krishnan (D) T.K. Madhavan
99. Sri Poikayil yohannan was later known as :
- (A) Vagbhadanandan (B) Chattampi swamikal
(C) Aagamananda swamikal (D) Sree Kumara gurudevan
100. The person who is known as the 'Subhash Chandra Bose of Kerala' :
- (A) Ali musaliyar (B) Muhammed Abdul Rahman
(C) Vakkom Abdul Khader Maulavi (D) C.H. Muhammed Koya