

209/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Union Minister for agriculture :  
(A) A.K. Antony (B) Sarad Pawar  
(C) Sushil Kumar Shinde (D) K.P. Mohanan
2. Instrument used for measuring atmospheric pressure :  
(A) Anemometer (B) Thermometer  
(C) Hygrometer (D) Barometer
3. Agricultural Malayalam magazine published by Kerala agricultural university :  
(A) Karshakan (B) Karshakasree  
(C) Kerala Karshakan (D) Kalpadhenu
4. Yellow revolution is related to :  
(A) Milk (B) Oil seeds  
(C) Fish (D) Pulses
5. Red variety of rice :  
(A) Vyttila 7 (B) Swarnaprabha  
(C) Vyttila 8 (D) Neeraja
6. The first stage in water erosion :  
(A) Rill (B) Sheet  
(C) Splash (D) Gully
7. To ensure genetic purity in rice seed production minimum isolation distance :  
(A) 3 m (B) 2 m  
(C) 1 m (D) 4 m

8. Photo insensitive rice variety :  
(A) Kunjukunju (B) Dhanya  
(C) Thulam (D) Dhanu
9. The small instrument to find out velocity of water flowing through a stream :  
(A) Current meter (B) Water meter  
(C) Flow meter (D) Volt meter
10. Father of Genetics :  
(A) Borloug (B) Weissmann  
(C) Mendal (D) Lamark
11. Bordeaux mixture was developed by :  
(A) Anton Deberry (B) Millardet  
(C) Butler (D) Walker
12. The plant nutrient which enhances root growth :  
(A) Phosphorus (B) Nitrogen  
(C) Potassium (D) Boron
13. World Nature Conservation day :  
(A) March 21 (B) July 28  
(C) June 5 (D) April 22
14. Predominant soil type of Kerala :  
(A) Laterite (B) Red  
(C) Alluvial (D) Forest.
15. IRRI is situated in :  
(A) Japan (B) Malaysia  
(C) Philippines (D) India
16. *Eudrillus eugineae* belongs to the group :  
(A) Bacteria (B) Fungus  
(C) Earthworm (D) Insect

17. Carbon Nitrogen ratio in normal soil :
- (A) 10 : 1 (B) 5 : 1  
(C) 30 : 1 (D) 13 : 1
18. Indian Agricultural Research Institute is situated in :
- (A) Mumbai (B) Pune  
(C) Delhi (D) Kerala
19. Fertilizer recommendation of high yielding medium duration rice variety :
- (A) 90 : 45 : 45 (B) 60 : 30 : 30  
(C) 40 : 20 : 20 (D) 70 : 35 : 35
20. In which District Rubber Research Institute is situated :
- (A) Kottayam (B) Kozhikode  
(C) Alappuzha (D) Pathanamthitta
21. Which species of honey bee is not Indian?
- (A) *Apis flora* (B) *Apis dersata*  
(C) *Apis cerana indica* (D) *Apis mellifera*
22. Breeding method exclusively used in vegetatively propagated plants :
- (A) Clonal selection (B) Heterosis breeding  
(C) Pureline breeding (D) Polyploidy breeding
23. Scientific name of Kasthurimanjal :
- (A) *Curcuma aromatica* (B) *Curcuma amada*  
(C) *Curcuma angustifolia* (D) *Curcuma longa*
24. Egg parasitoid of rice stem borer :
- (A) *Macrocentrus* (B) *Xanthopimpla*  
(C) *Trichogramma* (D) *Charops*
25. Important variety of Thippali :
- (A) Viswam (B) Jeeva  
(C) Mridhula (D) Agni

26. Buffalo grass is known as :
- (A) Congo signal (B) Gamba grass  
(C) Para grass (D) Guinea grass
27. Cardamom Research Station is situated in :
- (A) Wayanad (B) Idukki  
(C) Kottayam (D) Ernakulam
28. Pre emergent herbicide used in rice :
- (A) Almix (B) Pretilachlor  
(C) 2, 4 - D (D) Clincher
29. Biofertilizer found in the root of pulses :
- (A) Pseudomonas (B) Rhizobium  
(C) Azolla (D) Azotobacter
30. Semi-trailing variety of cowpea :
- (A) Kairali (B) Bhagyalakshmi  
(C) Vyjayanthi (D) Anaswara
31. Father of Green Revolution :
- (A) M.S. Swaminathan (B) N.E. Borlogue  
(C) Griger Mendal (D) T. B. Flectcher
32. Oleoresin is extracted from :
- (A) Coconut (B) Cocoa  
(C) Pepper (D) Sesamum
33. IFOAM related to :
- (A) Precision farming (B) Organic farming  
(C) High-tech farming (D) Modern agriculture

34. Aquaculture is related to :
- (A) Fish (B) Bird  
(C) Silk worm (D) Honey bee
35. Number of Krishivigyan Kendras in Kerala :
- (A) 12 (B) 16  
(C) 10 (D) 14
36. Gall midge attack symptom in rice :
- (A) Dead heart (B) White ear head  
(C) Silver shoot (D) Stackburn
37. Medicinal plant used for preventing soil erosion :
- (A) Chethikoduveli (B) Chittarathu  
(C) Tulasi (D) Vetiver
38. Silkworm rearing in castor :
- (A) Eri (B) Tassar  
(C) Muga (D) Mulberry
39. Grasserie disease in silk worm is caused by :
- (A) *Nosema bombycis* (B) *Borrelina virus*  
(C) *Beauveria bassiana* (D) *Spicaria prasina*
40. Micronutrient available in soil of alkaline pH :
- (A) Copper (B) Zinc  
(C) Molybdenum (D) Manganese
41. Seed rate per hectare in transplanted rice :
- (A) 60 – 85 Kg (B) 80 – 100 Kg  
(C) 80 – 90 Kg (D) 24 – 34 Kg

42. Plant having both insecticidal and manurial property :
- (A) Calapagonium (B) Teak  
(C) Neem (D) Mango
43. Sree Nandini is a high yielding variety of :
- (A) Dioscorea (B) Tapioca  
(C) Colocasia (D) Sweet potato
44. Acute rodenticide :
- (A) Warfarin (B) Zinc phosphide  
(C) Cyclohexamide (D) Dinocap
45. VAM (Vesicular Arbuscular Mycorrhizae) are found to be important in the process of :
- (A) Uptake of available P (B) Water uptake  
(C) Dormancy break (D) Retardation of flowering
46. Hybrid coconut variety :
- (A) West coast tall (B) Keraganga  
(C) Komadan (D) Kalpadhenu
47. Spacing of coconut in triangular planting :
- (A) 10 m (B) 8.2 m  
(C) 6 m (D) 7.6 m
48. Entomopathogenic fungus used in pest control :
- (A) *Metarrhizium* (B) *Baculo virus*  
(C) *Pseudomonas* (D) *Rhizoctonia*
49. Crop with maximum fibre content :
- (A) Biter gourd (B) Curry leaf  
(C) Cowpea (D) Amaranthus

50. Flavonoid in bittergourd which help to reduce blood sugar :
- (A) Lycopene (B) Anthocyanine  
(C) Carotenoid (D) Peratin
51. The alkaline soil types in Kerala :
- (A) Black cotton soil (B) Sandy Onattukkara  
(C) Pokkali soil (D) Laterite
52. Crop recovers applied N fertilizer to the tune of :
- (A) 10 – 15 % (B) 25 – 30 %  
(C) 40 – 50 % (D) 60 – 70 %
53. Practice not followed in Conservation agriculture :
- (A) Permanent soil cover (B) Reduced tillage  
(C) Intensified tillage (D) Crop rotation
54. Crop known as "Biological Plough" :
- (A) Red gram (B) Black gram  
(C) Green gram (D) Horse gram
55. Oil yield (Kg ha<sup>-1</sup>) from *Jasminum sambac* is nearly :
- (A) 10 (B) 16  
(C) 28 (D) 30
56. CAZRI is located at :
- (A) Jhansi (B) Varanasi  
(C) Jodhpur (D) Dehradun
57. Soil erosion is prevalent in almost \_\_\_\_\_ lakh hectares in Kerala.
- (A) 3 (B) 16  
(C) 26 (D) 30

58. In Biology a sudden heritable change is known as :
- (A) Heterosis (B) Migration  
(C) Mutation (D) Polypoidy
59. One cubic meter is \_\_\_\_\_ liters.
- (A) 1 (B) 10  
(C) 100 (D) 1000
60. The vertical distance between two consecutive contours is called :
- (A) Contour interval (B) Contour map  
(C) Contour level (D) Vertical level
61. Advanced stage of sheet erosion :
- (A) Splash (B) Rill  
(C) Gully (D) Stream bank
62. FAO is situated in :
- (A) Italy (B) USA  
(C) UK (D) Russia
63. ICRISAT is situated in :
- (A) Hyderabad (B) Delhi  
(C) Pune (D) Karnal
64. Casual organism of Panama wilt in banana :
- (A) Bacteria (B) Virus  
(C) Fungus (D) Insect
65. Kerala soil in general has high content of :
- (A) Copper (B) Molybdenum  
(C) Iron (D) Calcium
66. Low cost green house where the side are kept open :
- (A) Poly house (B) Mist chamber  
(C) Rain shelter (D) None of the above



67. Hydrothermal disinfection of soil :
- (A) Solarization (B) Pasteurization  
(C) Dehydration (D) Hybridization
68. Organism associated with coir pith composting :
- (A) *Azotobacter* (B) *Rhizobium*  
(C) *Pleurotes* (D) *Phytophthora*
69. AZR 15 is a strain of :
- (A) *Azotobacter* (B) *Azosprillum*  
(C) *Pseudomonas* (D) *Rhizobium*
70. Single superphosphate is :
- (A) Citrate soluble (B) Water soluble  
(C) Citrate insoluble (D) Water insoluble
71. Cashew hybrid released from Kerala Agricultural University :
- (A) Poornima (B) Suguna  
(C) Saphala (D) Harithasree
72. In soil testing soil samples is taken from \_\_\_\_\_ depth top soil.
- (A) 15 cm (B) 20 cm  
(C) 10 cm (D) 30 cm
73. Pulses are the group of plant belongs to the family :
- (A) Compositae (B) Crusiferae  
(C) Leguminoseae (D) Solabnaceae
74. Free living nitrogen fixing bacteria :
- (A) *Rhizobium* (B) *Staphylococcus*  
(C) *Azotobacter* (D) *Streptococcus*
75. The botanical name of garlic :
- (A) *Allium cepa* (B) *Allium sativum*  
(C) *Allium bulbosa* (D) *Lillium sativum*

76. Application of fertilizer through irrigation system :
- (A) Chemigation (B) Fertigation  
(C) Chlorination (D) Acidification
77. Mechanism that promote self pollination :
- (A) Dicliny (B) Heterostyly  
(C) Herkogamy (D) Cleistogamy
78. Water useful for plant growth :
- (A) Hygroscopic (B) Capillary  
(C) Gravitational (D) Percolated
79. High yielding coleus variety :
- (A) Sree Harsha (B) Sree Vijaya  
(C) Nidhi (D) Haritha
80. Element showing deficiencies symptom in younger leaves :
- (A) Magnesium (B) Sulphur  
(C) Pottassium (D) Molybdenum
81. Concentrated organic manure :
- (A) Cow dung (B) Poultry manure  
(C) Groundnut cake (D) Green leaf
82. Soil acidity is corrected by application of :
- (A)  $\text{Ca(OH)}_2$  (B)  $\text{CuSO}_4$   
(C)  $\text{ZnSO}_4$  (D)  $\text{H}_2\text{SO}_4$
83. Nutrient content of N is Ammonium Nitrate :
- (A) 26 % (B) 36.3 %  
(C) 33.5 % (D) 46 %
84. Plant breeding method which is used in cross pollinated crop :
- (A) Mass selection (B) Recurrent selection  
(C) Pedigree selection (D) Back cross

85. CTCRI is situated in :  
 (A) Kasaragod (B) Thiruvananthapuram  
 (C) Kollam (D) Kozhikode
86. Percent content of Nitrogen in Urea :  
 (A) 42 (B) 46  
 (C) 43 (D) 18
87. Organo phosphorous insecticide :  
 (A) Thiamethoxam (B) Dimethoate  
 (C) Indoxacarb (D) Ipropenpos
88. Whip tail symptom in cauliflower is due to :  
 (A) Copper deficiency (B) Molybdenum deficiency  
 (C) Insect attack (D) Disease
89. Copper fungicide :  
 (A) Mancozeb (B) Wettable sulphur  
 (C) Bordeaux mixture (D) Dinocap
90. Non systemic fungicide :  
 (A) Hexaconazole (B) Propiconazole  
 (C) Tridemorph (D) Thiram
91. Dendrobium Orchid :  
 (A) Saprophyte (B) Epiphyte  
 (C) Lithophyte (D) Terrestrial
92. *Calocybe indica* is :  
 (A) Paddy straw mushroom (B) Button mushroom  
 (C) Oyster mushroom (D) Milky mushroom
93. Sheath blight in rice is caused by :  
 (A) *Pyricularia grisea* (B) *Rhizoctonia solani*  
 (C) *Helminthosporium oryzae* (D) *Xanthomonas*

94. Root knot nematode :  
(A) *Meloidogyne* (B) *Pratylenchus*  
(C) *Rhizoctonia* (D) *Radopholus*
95. Bio fertilizer which can be used as green manure and cattle feed :  
(A) Azolla (B) *Azospirillum*  
(C) VAM (D) *Azotobacter*
96. Major organic nutrient source of phosphorous :  
(A) Oil cakes (B) Bone meal  
(C) Compost (D) Cow dung
97. Soil having low cation exchange capacity :  
(A) Sandy (B) Loamy  
(C) Silty (D) Clayey
98. Heart of drip irrigation system :  
(A) Filter (B) Lateral  
(C) End cap (D) Emitter
99. Bio-control agent effective against foot root disease of pepper :  
(A) *Ganoderma* (B) *Trichogramma*  
(C) *Phytophthora* (D) *Trichoderma*
100. An orchid spice :  
(A) Dendrobium (B) Loranthus  
(C) Pepper (D) Vanilla
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