

113/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Agrostology is the study of
  - (A) Fruits
  - (B) Trees
  - (C) Grasses
  - (D) Soil
  
2. IISR is connected with :
  - (A) Soil conservation
  - (B) Spices
  - (C) Live stock
  - (D) Tuber crops
  
3. Dendrobium is a species of :
  - (A) Anthurium
  - (B) Rose
  - (C) Jasmine
  - (D) Orchid
  
4. Intensity of sunlight is measured by :
  - (A) Sunshine recorder
  - (B) Luxmeter
  - (C) Hygrograph
  - (D) Wet bulb thermometer
  
5. The best soil structure for plant growth :
  - (A) Crumb
  - (B) Platy
  - (C) Blocky
  - (D) Columnar
  
6. The reclamation of a soil with pH 8 to 9 is best with :
  - (A) Lime
  - (B) Gypsum
  - (C) Silica
  - (D) Iron
  
7. Chittur area is associated with :
  - (A) Forest loams
  - (B) Laterite soils
  - (C) Kari soils
  - (D) Black cotton soils

8. Pick the odd-man out :
- (A) Sheet erosion (B) Saltation  
(C) Surface creep (D) Suspension
9. Sub-soiling is a method of soil conservation it is :
- (A) Agronomic method (B) Mechanical method  
(C) Cultural method (D) Protective method
10. Which of the following is a Macronutrient for plants?
- (A) Iron (B) Zinc  
(C) Magnesium (D) Manganese
11. The nutrient that gives tolerance to plants against drought, pest and diseases :
- (A) Nitrogen (B) Potassium  
(C) Magnesium (D) Sulphur
12. Oil cakes are :
- (A) Bulky organic manure (B) Concentrated organic manure  
(C) Straight fertilizer (D) Complex fertilizer
13. 1 hectare is :
- (A) 10,000 sq.m (B) 4,000 sq.m  
(C) 250 sq.m (D) 40 sq.m
14. The class of seed given to farmer :
- (A) Breeder seed (B) Foundation seed  
(C) Registered seed (D) Certified seed
15. Which of the following is a secondary tillage implement?
- (A) MB Plough (B) Harrows  
(C) Wooden Plough (D) Chisel Plough
16. Ludwigia is a weed, which is :
- (A) Aquatic (B) Upland  
(C) Semi aquatic (D) Dicot

17. The surface irrigation method giving 35 to 50 percent irrigation efficiency is :  
(A) Sprinkler irrigation (B) Drip irrigation  
(C) Flood irrigation (D) Furrow irrigation
18. The disease of rice seen from nursery to harvest :  
(A) Sheath blight (B) Blast  
(C) Sheath rot (D) Bacterial leaf blight
19. Dicofol is generally used to control a Coconut pest. Which of the following is that pest?  
(A) Rhinoceros beetle (B) Red Palm weevil  
(C) Coconut caterpillar (D) Eryophid mite
20. A dual purpose variety of banana :  
(A) Chenkadali (B) Monthan  
(C) Nendran (D) Njalipoovan
21. Bunchy top of banana is transmitted by :  
(A) Aphid (B) White fly  
(C) Fruit fly (D) Virus
22. The vegetable which is best grown in summer months :  
(A) Coleus (B) Brinjal  
(C) Bitter gourd (D) Bhindi
23. Which of the following is propagated by root cuttings?  
(A) Rose (B) Begonia  
(C) Amaranthus (D) Curry Leaves
24. Air-layering is widely practised in :  
(A) Guava (B) Jack  
(C) Mango (D) Rubber
25. Alternanthera and Duranta come under :  
(A) Climbers (B) Hedges  
(C) Shrubs (D) Edges

26. Which of the following is a non-insect pest?  
(A) Beetle (B) Mite  
(C) Bug (D) Fly
27. A biocontrol agent that controls soil borne pathogens is :  
(A) Trichogramma (B) Trichoderma  
(C) Azotobactor (D) Azospirillum
28. Phytosanitary certificate is associated with :  
(A) Cultural control of plant pests and diseases  
(B) Biological control of plant pests and diseases  
(C) Legal control of plant pests and diseases  
(D) Physical control of plant pests and diseases
29. Which of the following insecticide formulation is used against pest control in go-downs?  
(A) Dusts (B) Granules  
(C) EC (D) Fumigants
30. The LD-50 value of Extremely toxic insecticide varies from (Mg/Kg) :  
(A) 1- 50 (B) 51- 500  
(C) 501 - 5000 (D) > 5000
31. An organophosphorous fungicide :  
(A) Zineb (B) Mancozeb  
(C) Carbendazim (D) Ediphenphos
32. A farmer is having 2 hact. of coconut trees in his house hold. For spraying plant protection chemicals, which of the following sprayers can he opt?  
(A) Atomizer (B) Knapsack sprayer  
(C) Rocker sprayer (D) None of the above
33. Which of the following cropping system guarantees maximum production per unit area?  
(A) Multitier cropping (B) Sequential cropping  
(C) Relay cropping (D) Mixed cropping

34. Moisture content of paddy grains for safe storage.
- (A) 14% (B) 18%  
(C) 10% (D) 16%
35. The best post-harvest technology adopted for fruits with high pectin content is making.
- (A) Jam (B) Squash  
(C) Jelly (D) Pickle
36. 'Malabari' is a breed of :
- (A) Cow (B) Poultry  
(C) Goat (D) Pig
37. An extension method used for popularizing an improved variety of a crop is :
- (A) Mass contact (B) Participatory rural appraisal  
(C) Method demonstration (D) Result demonstration
38. The honeybee species that cannot be kept in hives :
- (A) Apis cerana indica (B) Apis dorsata  
(C) Apis mellifera (D) Trigona iridipennis
39. 'Grasserie' of silkworm is caused by :
- (A) Protozoa (B) Bacteria  
(C) Fungus (D) Virus
40. The medicinal plant used against cancer :
- (A) Brahmi (B) Sarpagandhi  
(C) Asparagus (D) Kacholam
41. 'Ananthan' is a variety of :
- (A) Honey bee (B) Anthurium  
(C) Mushroom (D) Orchid
42. Cashew Research Station (CRS) is situated at :
- (A) Kasaragod (B) Thrissur  
(C) Kozhikode (D) Kollam

43. Which of the following is a pulse crop?
- (A) Black mustard (B) Green gram  
(C) Ground nut (D) Lady's finger
44. Tea and orange are examples of :
- (A) Temperate plants (B) Tropical plants  
(C) Sub-tropical plants (D) None of the above
45. The major share of rainfall in Kerala is from :
- (A) South – West Monsoon (B) North – East Monsoon  
(C) Summer rains (D) North – West Monsoon
46. The layers of soil is termed as :
- (A) Soil horizon (B) Soil profile  
(C) Soil regolith (D) Soil solum
47. The type of water erosion which cannot be corrected.
- (A) Splash erosion (B) Sheet erosion  
(C) Rill erosion (D) Gully erosion
48. 'Flame cultivation' is associated with :
- (A) Weeds (B) Insects  
(C) Diseases (D) Non-insect pests
49. The biological control of African Payal is usually done with a Weevil. Name it :
- (A) Neochaetina (B) Cyrtobagus  
(C) Agromyza (D) Zygogramma
50. Which of the following is a hybrid variety of coconut?
- (A) Laksha ganga (B) Chandra kalpa  
(C) Kerachandra (D) WCT
51. The era in geological time – scale during which dinosaurs existed.
- (A) Arcaeozoic (B) Mesozoic  
(C) Cainozoic (D) Paleozoic

52. The theory of evolution by natural selection was put forward by Charles Darwin and :  
(A) De Vries (B) August Weissman  
(C) Alfred Russel Wallace (D) Gregor Mendel
53. The appearance of ancestral characters as abnormal characters in the course of evolution is :  
(A) Differential reproduction (B) Introduction  
(C) Analogy (D) Atavism
54. Which of the following is not a cause of evolution?  
(A) Inbreeding (B) Variation  
(C) Mutation (D) Hybridisation
55. An auxin used in plant tissue culture.  
(A) Kinetin (B) Creatine  
(C) BAP (D) IAA
56. Among the following the plant grown for its beautiful foliage is :  
(A) Cosmos (B) Croton  
(C) Aster (D) Salvia
57. An equipment for sterilization :  
(A) Centrifuge (B) Calorimeter  
(C) Microtome (D) Autoclave
58. Tuberculate rhizoids are seen in :  
(A) Riccia (B) Marchantia  
(C) Funaria (D) None of these
59. "Clamp connections" are noticed in the genus :  
(A) Xylaria (B) Agaricus  
(C) Peziza (D) Penicilium

60. Vegetative phase of Mushroom is known as :
- (A) Basidiospore (B) Basidium  
(C) Basidiocarp (D) Mycelium
61. Both the stock and scion are rooted in :
- (A) Bud grafting (B) Cleft grafting  
(C) Approach grafting (D) Whip grafting
62. Apical cell theory was proposed by :
- (A) Bernstein (B) Hanstein  
(C) Nageli (D) Schmidt
63. A anomalous secondary thickening is found in the stem of :
- (A) Vernonia (B) Boerhaavia  
(C) Tinospora (D) Thithonia
64. The characteristic inflorescence of the family Asteraceae is a :
- (A) Cyathium (B) Cyme  
(C) Veticillaster (D) Capitulum
65. Solanaceae comes under the order :
- (A) Rosales (B) Parietals  
(C) Polemoniales (D) Passiflorales
66. Periderm tissue was derived from :
- (A) Bark (B) Phellogen  
(C) Lenticels (D) Phelloderm
67. World Environment Day :
- (A) June 5 (B) July 20  
(C) March 30 (D) May 10
68. Corbett National Park is in :
- (A) Karnataka (B) Orissa  
(C) Gujarat (D) UP



69. Minmata Disease is associated with :
- (A) Mercury (B) Lead  
(C) Cadmium (D) Arsenic
70. In which algae cap cells are found :
- (A) Oedogonium (B) Volvox  
(C) Ulothrix (D) Chara
71. Precursor of phytohormone auxin is :
- (A) Lysine (B) Methionine  
(C) Tryptophan (D) Arginine
72. Yeast are included in :
- (A) Basidiomycetes (B) Ascomycetes  
(C) Deutromycetes (D) None of the above
73. Penicillin was discovered by :
- (A) Alexander Fleming (B) Robert Hook  
(C) A.F. Blakeslee (D) F.W. Went
74. Tikka disease is caused by :
- (A) Puccinia (B) Phytophthora  
(C) E.Coli (D) Cercospora
75. The primary target of HIV is :
- (A) RBC (B) Thrombocytes  
(C) T4 Lymphocytes (D) None of these
76. Pteridophytes are also known as :
- (A) Vascular Cryptogams (B) Phanerogams  
(C) Gymnosperms (D) None of these
77. Six Kingdom classification was put forward by :
- (A) Zimmermann (B) Whittaker  
(C) Carl Woese (D) Engler

78. The term Heterosis was introduced by :
- (A) George Shull (B) P.B. Sumner  
(C) Mc Dougall (D) Charles Darwin
79. Bacterial cell wall is composed of :
- (A) Lignin (B) Suberin  
(C) Peptidoglycan (D) Cellulose
80. Common name of Piper longum is :
- (A) Turmeric (B) Thippali  
(C) Clove (D) Pepper
81. The fundamental rights of our constitution was borrowed from :
- (A) Russian constitution (B) U.S. constitution  
(C) British constitution (D) Irish constitution
82. In 2015, Ezhuthachan Puraskaram was awarded to :
- (A) O.N.V. Kurupu  
(B) Benyamin  
(C) T.Padmanaban  
(D) Vishnu Narayanan Nampoothiri
83. Who named Sree Narayana Guru as Second Budha?
- (A) G.Sankara Kurupu (B) Ayyankali  
(C) Mannathu Padmanaban (D) Sahodaran Ayyappan
84. Temple Entry Proclamation was on :
- (A) 1934 Nov. 1 (B) 1926 Nov. 12  
(C) 1936 Nov. 12 (D) 1930 Nov. 1

85. 2014 commonwealth games was held at :
- (A) India (B) Scotland  
(C) Japan (D) Brazil
86. Which one of the new directive principle aimed to protect and improve the environment and to safeguard forests and Wild Life?
- (A) Art. 48 A (B) Art. 38  
(C) Art. 43 A (D) Art. 43 B
87. Who translated 'Sakunthalam' to Malayalam?
- (A) Kodungallur Kunhikuttan Thampuran  
(B) Kumaranasan  
(C) Vallathol Narayana menon  
(D) Keralavarma Valiya koyi Thampuran
88. Constitution Day in India is celebrated every year on :
- (A) 26<sup>th</sup> Nov. (B) 26<sup>th</sup> Jan.  
(C) 15<sup>th</sup> Aug. (D) 1<sup>st</sup> Nov.
89. Who among the following awarded Keerthi Chakra award of 2014?
- (A) Captain Sandeep Bhartiya (B) Major Gaurov Thakur  
(C) Major Mandeep Singh (D) Shri Bhrigu Nandan Choudhary
90. 'Viswadarsanam' was the work of :
- (A) Ponkunnam Varkey (B) Changampuzha  
(C) G.Sankara Kurupu (D) Vaikam Muhammed Basheer
91. Founder of Prathyaksha Raksha Daiva Sabha.
- (A) Moorkoth Kumaran (B) M.C. Joseph  
(C) Pampadi John Joseph (D) Poikayil Sreekumara Devan
92. Shri Muhammed Abdul Rahiman was the Chief Editor of :
- (A) Vivekodayam (B) Al - Ameen  
(C) Kesari (D) Prabhatham

93. Which of the following works was not related to Lalithambika Antharjanam?  
 (A) Agnisakshi (B) Manikyan  
 (C) Gosayi Paranja Kadha (D) Balidweep
94. The smallest Mahakavya :  
 (A) Chithrayogam (B) Umakeralam  
 (C) Kesaveeyam (D) Krishnagadha
95. Central Cabinet Minister for Women and Child Development.  
 (A) Smt. Manekha Gandhi (B) Smt. Smriti Irani  
 (C) Shri. Ramvilas Paswan (D) Smt. Sushama Swaraj
96. Who gave great support to channar revolts (upper cloth revolts)?  
 (A) Dr.Palpu (B) Ayya Vaikundar  
 (C) Ayyankali (D) Sree Narayana Guru
97. Freedom of Information Act, 2002 applies to all states and Union territories of India EXCEPT :  
 (A) Delhi (B) Goa  
 (C) Jammu and Kashmir (D) Assam
98. Who was known as Kerala Subash Chandra Bose?  
 (A) K.Kelappan (B) Muhammed Abdul Rehman  
 (C) A.K. Gopalan (D) V.T. Bhattathirippad
99. In India First Printing Press was commenced at :  
 (A) Goa (B) Surat  
 (C) Kochi (D) Kozhikodu
100. Who won 3 gold medals for Kerala in swimming events in National Games 2015?  
 (A) Anjumol Joseph (B) Sajan Prakash  
 (C) Ashish Kumar (D) C.P. Rathilal