

PSC Soil Survey Officer / Research Assistnt / Cartographer / Technical Assistant - Soil Survey And Soil Conservation Examination Previous Year Question Paper

***Exam Name: Soil Survey Officer / Research
Assistnt / Cartographer / Technical Assistant - Soil
Survey And Soil Conservation***

Date of Test : 20.11.2015

Question Paper Code: 209/2015

Medium of Questions: English



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 dorsata*
(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. Borlough
- (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 caster :
(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⁻¹) 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) *Azospirillum*
(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) Cruciferae
(C) Leguminosae (D) Solanaceae
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) *Lilium 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) Ca(OH)_2 (B) CuSO_4
(C) ZnSO_4 (D) H_2SO_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) Iprodenos
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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