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Test Booklet Series

Serial No. 168101

A

SCREENING TEST – 2009

SUBJECT : GARDENING ASSISTANT

*Time Allowed : **Two Hours***

*Maximum Marks : **120***

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET ***DOES NOT*** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES **A, B, C** OR **D** AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE RESPONSE SHEET.
3. You have to enter your Roll Number on this Test Booklet in the Box provided alongside. *DO NOT* write *anything* else on the Test Booklet.

   Your Roll No. .....
4. This Booklet contains **120** items (questions). Each item comprises four response (answers). You will select one response which you want to mark on the Respons Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ***ONLY ONE*** response for each item.
5. In case you find any discrepency, in this test booklet in any question(s) or the Responses, a written representation explaining the details of such alleged discrepency, be submitted within three days, indicating the Question No(s) and the Test Booklet Series, in which the discrepency is alleged. Representation not received within time shall not be entertained at all.
6. You have to mark all your responses ***ONLY*** on the separate Response Sheet provided. See directions in the Response Sheet.
7. All items carry equal marks. Attempt *ALL* items. Your total marks will depend only on the number of correct responses marked by you in the Response Sheet.
8. Before you proceed to mark in the Response Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Response Sheet as per instructions sent to you with your Admit Card and Instructions.
9. While writing Centre, Subject, and Roll No. on the top of the Response Sheet in appropriate boxes use **"ONLY BALL POINT PEN"**.
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SEAL

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

(For Rough Work)

Screening Test–2009

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1. Which year was celebrated as the International year of Rice ?
   (a) 1974
   (b) 1984
   (c) 1994
   (d) 2004

2. Which among the following fruit crops tolerates salinity ?
   (a) Citrus
   (b) Datepalm
   (c) Grapes
   (d) Anona

3. A sudden heritable discontinuous change refers to :
   (a) Mutation
   (b) Dominance
   (c) Linkage
   (d) Co-dominance

4. Irish Famine was caused due to :
   (a) Early blight of potato
   (b) Wheat rust
   (c) Late blight of potato
   (d) Tomato wilt

5. Atmosphere contains ..... percent of nitrogen.
   (a) 72
   (b) 78
   (c) 82
   (d) 50

6. The herbicide first manufactured in India :
   (a) Butachlor
   (b) 2, 4-D
   (c) Atrazine
   (d) None of these

7. The company that has patented round-up ready group of transgenic plants is :
   (a) Monsanto
   (b) BASF
   (c) Mahyco
   (d) None of these

8. A naturally occuring auxin is :
   (a) 2, 4 - D
   (b) NAA
   (c) IBA
   (d) IAA

9. Fruit with high carotene content is :

(a) West Indian Cherry

(b) Mango

(c) Papaya

(d) Banana

10. Central Potato Research Station is located at :

(a) New Delhi

(b) Ooty

(c) Shimla

(d) Pant Nagar

11. Branch of agriculture dealing with cultivation of grasses is :

(a) Agronomy

(b) Agnostology

(c) Edaphology

(d) Nematology

12. Which among the following is "Super fast" rice ?

(a) Heera

(b) IR-8

(c) Pankaj

(d) Jaya

13. "Golden Revolution" refers to :

(a) Agriculture

(b) Horticulture

(c) Sericulture

(d) Apiculture

14. India's first agricultural university was established in :

(a) 1950

(b) 1948

(c) 1962

(d) 1960

15. False smut in crops may be easily controlled by :

(a) Foliar application of Diathane M-45

(b) Foliar application of Diathane Z-78

(c) Seed treatment with Bavastin

(d) Seed treatment with Streptomycin sulphate

16. Papain is obtained from which crop :

(a) Papaya

(b) Strawberry

(c) Walnut

(d) Guava

17. The father of agricultural chemistry is :

(a) Davy

(b) Dokuchayev

(c) Arnon

(d) Tustus Von Liebig

18. NABARD was established in the year :

(a) 1982

(b) 1975

(c) 1950

(d) 1985

19. An insecticide with very short residual nature is :

(a) Tenthion

(b) Malathion

(c) Neemguard

(d) Quinalphos

20. The scheme which envisages bringing people above poverty line taking into account family as a unit is :

(a) Integrated Rural Development Programme

(b) Panchayat Raj

(c) Jawahar Rozgar Yojana

(d) None of these

21. Ergot of rye is caused by

(a) *Rhizoctonia solani*

(b) *Pythium amphanidermatum*

(c) *Colletotrichum atramentarium*

(d) *Claviceps purpurea*

22. The fungus Pythium causes :

(a) die back

(b) wilting

(c) rot

(d) damping off

23. A fruit crop now commercially propogated by tissue culture is :

(a) papaya

(b) citrus

(c) banana

(d) strawberry

24. Expanding clay mineral is :

(a) chlorite

(b) kaolinite

(c) smectite

(d) illite

25. The factor-product relationship in farm management :

(a) explains the profitability of farm business

(b) explains the input-output relationship

(c) indicates the cropping efficiency

(d) indicates the most profitable input combination

26. Co-operative year is from :

(a) July to June

(b) April to March

(c) January to December

(d) September to August

27. To safeguard the interest of specific commodities government of India has set up :

(a) regulated markets

(b) co-operative markets

(c) commodity Board

(d) ISI

28. Which among the following is referred to as "King Pin" of nutrients ?

(a) Oxygen

(b) Nitrogen

(c) Potassium

(d) Phosphorus

29. A physiological disorder in citrus is :

(a) Black tip

(b) Spongy tissue

(c) Granulation

(d) Clustering

30. Which among the following is sulphur sensitive ?

(a) Cucurbits

(b) Rice

(c) Legume

(d) Amaranthus

31. Current strategy in pest control is :

(a) eradication

(b) quarantine

(c) selective control

(d) integrated management

32. The World Environment day is celebrated on :

(a) 7th July

(b) 5th June

(c) 25th June

(d) 12th April

33. Which of the following is a long day plant ?

(a) Rice

(b) Wheat

(c) Maize

(d) Tobacco

34. Arid regions have annual rainfall :

(a) more than 1000 mm

(b) less than 500 mm

(c) 500 - 750 mm

(d) 750 - 1000 mm

35. Leaf curl disease of Chilli is caused by :

(a) Bacteria

(b) Fungi

(c) Virus

(d) Nematode

36. "Karnal bunt" is a disease of :

(a) Barley

(b) Oat

(c) Wheat

(d) Maize

37. San Jose scale is a pest of :

(a) Apple and Almond

(b) Plum and Pear

(c) Banana and Papaya

(d) Mango and Guava

38. The damaging stage of Pink ball worm is :

(a) Adult

(b) Adult and Nymph

(c) Caterpillar

(d) Nymph

39. Toxic gases from brick kilns are the main cause of :

(a) Die back

(b) Black tip

(c) Twig die back

(d) None of these

40. Blast of rice is caused by :

(a) *Helminthosporium oryzae*

(b) *Xanthomonas oryzae*

(c) *Pyricularia oryzae*

(d) *Alternaria padwickii*

41. Which of the following is *not* a fumigant ?

(a) Phostoxin

(b) EDCT

(c) EDB

(d) DDT

42. Which of the following diseases occurs in rabi cereals of India ?

(a) Smuts

(b) Rust

(c) Leaf Blight

(d) All of the above

43. Mycoplasma is sensitive to :

(a) Tetracyline

(b) Thiran

(c) Vitavax

(d) Streptomycin

44. "Cricket ball" is a variety of :

(a) Radish

(b) Sapota

(c) Apple

(d) Litchi

45. The branch of science that deals with the study of origin of soil, its classification and its description is known as :

(a) Edaphology

(b) Ecology

(c) Pedology

(d) Taxonomy

46. Arrangement of soil particles is referred to as :

(a) Soil structure

(b) Soil texture

(c) Soil organization

(d) None of these

47. Transport of ions in plants occuring with the aid of metabolic energy is termed as :

(a) Passive transport

(b) Active transport

(c) Metabolic transport

(d) Mass transport

48. Hollow stem of cauliflower and cabbage occurs due to deficiency of :

(a) Boron

(b) Zinc

(c) Copper

(d) Calcium

49. Phosphorus is necessary participant in :

(a) Photosynthesis

(b) Synthesis of starch, fats and proteins

(c) Glycolysis

(d) All of the above

50. Barograph measures the :

(a) changes in air pressure

(b) changes in air temperature

(c) changes in atmospheric humidity

(d) wind speed

51. Botanical name of safflower is :

(a) *Helianthus annus*

(b) *Carthamus tinctorius*

(c) *Gossypium hirsutum*

(d) *Brassica Campestris*

52. The most critical stage for irrigation in wheat is :

(a) Crown root initiation stage

(b) Tillering stage

(c) Milk stage

(d) Boot stage

53. Which of the pesticide is also used as nematicide ?

(a) Nuvan

(b) Nuvacron

(c) Carbofuran

(d) Dimecron

54. Most prominent primary mineral in sandy soil is :

(a) Haematite

(b) Quartz

(c) Limonite

(d) Gibbsite

55. A hormone used to increase fruit size is :

(a) IAA

(b) TIBA

(c) GA

(d) 2, 4, 5-T

56. The percentage of organic matter as per the volume composition of a typical soil is :

(a) 45

(b) 25

(c) 5

(d) 2

57. Directorate of Plant Protection in India is at :

(a) New Delhi

(b) Gurgaon

(c) Pune

(d) Faridabad

58. Largest producer of coconut in the world is :

(a) India

(b) Sri Lanka

(c) Indonesia

(d) Philippines

59. The most common method of crop improvement is :

(a) Mutation

(b) Selection

(c) Hybridization

(d) All of them

60. Colour of the tag used to denote 'Foundation Seed' is :

(a) White

(b) Purple

(c) Blue

(d) Yellow

61. Concept to extension education originated in :

(a) USSR

(b) USA

(c) India

(d) Pakistan

62. Lab to Land Programme was started in :

(a) 1976

(b) 1979

(c) 1980

(d) 1984

63. The effective extension method used to impress the people about a particular recommended practice suitable for a specific area is :

(a) Radio

(b) T. V.

(c) Tour

(d) Demonstration

64. National Demonstrations are first line demonstrations conducted in the farmer's field by :

(a) Extension workers

(b) Development staff

(c) Extension scientist

(d) Research scientist

65. Economy of a developing country is marked by :

(a) Predominance of Industry

(b) Predominance of Agriculture

(c) Predominance of Transportation

(d) None of the above

66. Biocontrol agent for the control of Parthenium weed is :

(a) Zygogranema

(b) Trichogranema

(c) Trichoderma

(d) Tortoise beetle

67. Sciophytes grow best under..... condition.

(a) open

(b) shade

(c) saline

(d) salty

68. Choose the systemic fungicide effective against 'Phytophthora' :

(a) Benomyl

(b) Carbesdazim

(c) Metalaxyl

(d) Oxycarboxym

69. Which one of the following is not an essential plant nutrient ?

(a) Iron

(b) Aluminium

(c) Manganese

(d) Zinc

70. A market consisting of a single seller and a single buyer means :

(a) Monopoly

(b) Monopsony

(c) Bilateral monopoly

(d) Duopoly

71. 'Queen of cereals' is :

(a) Maize

(b) Rice

(c) Sorghum

(d) Bajra

72. 'Family' to which cauliflower belongs to :

(a) Umbelliferae

(b) Compositae

(c) Cruciferae

(d) Chenopodiaceae

73. The end product of decomposition of organic matter is :

(a) Fulvic acid

(b) Humus

(c) Cellulose

(d) Lignin

74. ..... is the micronutrient available in the alkaline range.

(a) Iron

(b) Copper

(c) Molybdenum

(d) Zinc

75. Pulse crop known as 'biological plough' is :

(a) Bengal gram

(b) Soyabean

(c) Black gram

(d) Pigeon pea

76. As per the classification by Planning Commission of India, there are ..... Agro climatic regions in India.

(a) 10

(b) 13

(c) 15

(d) 18

77. Who proposed the term 'Functional nutrients' ?

(a) Arnon

(b) Kirbby

(c) Liebig

(d) Nicholas

78. Which of the following nutrient is immobile in plants ?

(a) N

(b) K

(c) Mg

(d) Cu

79. Nitrogen content in ammonium sulphate is :

(a) 28.5

(b) 20.5

(c) 26

(d) 40

80. Growing two or more crops simultaneously with no distinct row arrangement is termed as :

(a) Mixed cropping

(b) Mixed intercropping

(c) Double cropping

(d) Relay cropping

81. Isolation distance for the production of Foundation Seed in cotton is :

(a) 50 m

(b) 100 m

(c) 400 m

(d) 25 m

82. Diseases which occur at very irregular intervals and locations are termed as :

(a) Endemic

(b) Epidemic

(c) Sporadic

(d) Epiphytotic

83. 'Red rot of Sugarcane' is caused by :

(a) *Colletotrichum falcatum*

(b) *Pythium aphanidermatum*

(c) *Phytophlhors palmivora*

(d) *Fusarium oxysporum*

84. Elasticity of production in Stage II is :

(a) Less than one

(b) Greater than one

(c) Equal to one

(d) Zero

85. Date palm, custard apple, Fig and bullock's heart are fruits of :

(a) Temperate area

(b) Arid and semi-arid area

(c) Humid area

(d) Wet area

86. 'Lucknow – 49' and 'Allahabad Safeda' are varieties of :

(a) Guava

(b) Grapes

(c) Sapota

(d) Apple

87. A tomato fruit is technically known as :

(a) Drupe

(b) Caryopsis

(c) Berry

(d) None of these

88. Medium term loans are to be repayed within ..... years.

(a) 3

(b) 5

(c) 8

(d) 15

89. The Banker's bank is :

(a) SBI

(b) RBI

(c) NABARD

(d) RRB

90. Which one of the following is a national fruit of India ?

(a) Apple

(b) Banana

(c) Pear

(d) Mango

91. "Tikka" leaf spot is the most important disease of :

(a) Cocoa

(b) Arecanut

(c) Sesamum

(d) Groundnut

92. Progeny of Breeder Seed is :

(a) Nuclear Seed

(b) Foundation Seed

(c) Certified Seed

(d) Registered Seed

93. Country producing the largest quantity of vegetables is :

(a) India

(b) China

(c) Japan

(d) U. S. A.

94. Centre of origin of Brinjal is :

(a) Afghanistan

(b) Mediterranean region

(c) South America

(d) India

95. Most common method of farming noticed in India is :

(a) Peasant farming

(b) Group farming

(c) Mixed farming

(d) None of these

96. The starting point of any economic activity is :

(a) Production

(b) Human Waste

(c) Necessity

(d) Consumption

97. Cost of cultivation of a commodity includes :

(a) Fixed cost

(b) Variable cost

(c) Fixed and variable cost

(d) Marketing cost

98. A hormone inducing dwarfness in plants is :

(a) Malic hydrazide

(b) IAA

(c) IBA

(d) Absicic acid

99. "Ekalux" is the brandname of :

(a) Monocrotophos

(b) Dichlorvos

(c) Quinalphos

(d) Malathion

100. Light intensity influences growth through its effect on :

(a) Respiration

(b) Photosynthesis

(c) Photoperiodism

(d) None of these

101. Line joining places having same rainfall is termed as :

(a) Isobar

(b) Isotherm

(c) Isohyet

(d) Isotach

102. Which of the following crop seed has maximum protein content ?

(a) Groundnut

(b) Soyabean

(c) Mustard

(d) Pea

103. The farming which takes place without season is called :

(a) Hey farming

(b) Kharif farming

(c) Zaid farming

(d) Enforced farming

104. ..... is a nitrifying bacteria.

(a) Azotobacter

(b) Rhizobium

(c) Nitrosomonas

(d) Clostridium

105. The first insecticide discovered was :

(a) DDT

(b) BHC

(c) Aldrin

(d) Aldrex

106. "Neelam" is a popular Mango variety of :

(a) South India

(b) North India

(c) East India

(d) Central India

107. Which of the following is used for production of female flowers in Cucurbitaceae ?

(a) Ethylene

(b) Zeatin

(c) Indole acetic acid

(d) Gibberellin

108. The botanical name of Bitter gourd is :

(a) *Allium cepa*

(b) *Memordica charantia*

(c) *Lufa cylindrica*

(d) *Cucumis sativus*

109. The power house of a cell is :

(a) Chloroplast

(b) Ribosomes

(c) Mitochondria

(d) D. N. A.

110. Community Development Programme aims at :

(a) Social Upliftment of people

(b) Upliftment of tribal population

(c) Collective welfare of India's vast rural population

(d) None of the above

111. Taccavi loans are given by :

(a) Government

(b) RBI

(c) World Bank

(d) State

112. Morphologically potato tuber is :

(a) Primary root

(b) Stem

(c) Secondary root

(d) Sucker

113. Saline soils occur mostly in :

(a) Jammu and Kashmir

(b) Haryana

(c) Punjab

(d) Madhya Pradesh

114. Which of the following plants is propagated by leaf cutting ?

(a) Apple

(b) Begonia

(c) Geranium

(d) Dahlia

115. Primary mineral as source of phosphorus in soils is :

(a) Gaethite

(b) Apatite

(c) Siderite

(d) Limonite

116. *Aspergillus flavus* makes food grains unfit for consumption by producing a toxin called :

(a) Tabtoxin

(b) Vivo toxin

(c) Aflatoxin

(d) Aspergillotoxin

117. Which of the following insects attack cashew plantation ?

(a) Root and stem borer

(b) Tea mosquito

(c) None of these

(d) Both (a) and (b)

118. Where land is owned by the government and workers work as employees getting their wages regularly, it is called :

(a) Collective farming

(b) Capitalistic farming

(c) Peasant farming

(d) State farming

119. Which of the following are not methods of group communication ?

(a) Method demonstration

(b) Result demonstration

(c) Field trips

(d) Farm and home visits

120. AGMARK label denotes :

(a) Quantity

(b) Quality

(c) Value

(d) None of these