

085/2017

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

101449

Total No. of Questions: 100

Maximum : 100 Marks

Time : 75 Minutes

INSTRUCTIONS TO CANDIDATES

1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. A, B, C & D.
2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
6. The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**
10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball-Point Pen in the OMR Answer Sheet.
11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.**
12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

085/2017-A



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Maximum : 100 Marks

Time : 1 hour and 15 minutes

1. Choose the correct statement :
 - (A) Chattampi Swamikal is known as Bharatha Kesari.
 - (B) Ayyankali is called Pulaya Raja by Indira Gandhi.
 - (C) Vakkom Abdul Khader Maulavi is connected with Kallumala Samaram.
 - (D) Ananda Darsanam is associated with Kumaragurudevan.
2. What is the theme of the 2017 World Intellectual Property Day ?
 - (A) Visionary innovators
 - (B) Innovation – Improving Lives
 - (C) Creating the Future today
 - (D) Designing the Future
3. Mary Godwin, who wrote 'Frankenstein' is the wife of a famous poet. Who is he ?
 - (A) Shelley
 - (B) Wordsworth
 - (C) Keats
 - (D) William Blake
4. The Organizations known as 'Bretton Wood Twins' :
 - (A) IMF and IDA
 - (B) IMF and MIGA
 - (C) World Bank and IMF
 - (D) IMF and IFC
5. The city which has been designated as UNESCO World Book Capital 2018 :
 - (A) Canberra
 - (B) Rome
 - (C) Athens
 - (D) London
6. Identify the person connected with the book 'Darsanamala' :
 - (A) Kumaranasan
 - (B) Sree Narayanaguru
 - (C) Chattampi Swamikal
 - (D) Vagbhatanandan
7. Choose the wrongly matched pair regarding the Constitution of India :
 - (A) Fundamental Duties - Canada
 - (B) Emergency - Germany
 - (C) Directive principles - Ireland
 - (D) Federal Structure - USA

A

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[P.T.O.]

8. Which Indian bank has won the 2017 Golden Peacock Innovative Product/Service Award ?
(A) SBI (B) Union Bank of India
(C) Yes Bank (D) ICICI
9. Choose the correct statement regarding the Constitution of India :
(A) Article 61 is related to the election of Indian President
(B) Article 214 deals with the Public Service Commission
(C) Article 356 deals with Election Commission of India
(D) Article 24 deals with Child Labour prohibition
10. On which date the National Panchayati Raj Diwas is celebrated in India ?
(A) May 22 (B) April 24
(C) May 24 (D) April 22
11. The organization formed to protect the interest of developing nations :
(A) G77 (B) BRICS
(C) G20 (D) G7
12. The 6th Schedule of the Indian Constitution deals with
(A) Panchayati Raj System
(B) Union, State and Concurrent lists
(C) The Administrations of Assam, Meghalaya, Tripura and Mizoram
(D) 22 languages
13. Manpreet Kaur, who won Gold medal at the 2017 Asian Grand Prix Athletics in China is associated with
(A) Discus Throw (B) Long Jump
(C) High Jump (D) Shot Put
14. The organization founded by Vaikunda Swamikal
(A) Atma Vidya Sangam (B) Tatwabhodhini Sabha
(C) Vidyaposhini Sabha (D) Samathwa Samajam

15. The Award declared for UNESCO for popularization of Science
 (A) Kalinga Prize (B) Heineken Prize
 (C) Kavli Prize (D) Kyoto Prize
16. The Haryana state government recently introduced "Kilkari" app. What is its aim ?
 (A) To create awareness about Child Labour
 (B) To create awareness among pregnant women
 (C) To create awareness among school children about drugs
 (D) To create awareness about Alcohol
17. Find out the correct match from the given options :
 (A) Ente Nadukadathal - Ramakrishnapillai
 (B) Pracheena Malayalam – Sree Narayanaguru
 (C) Akhilathirattu – Ayyankali
 (D) Vedanta Saram – Vagbhatanandan
18. Who was the minister for Local Self Government in the EMS Ministry of 1957 ?
 (A) K C George (B) K P Gopalan
 (C) P K Chathan Master (D) T V Thomas
19. After this amendment Right to Property became a legal right
 (A) 23rd amendment (B) 42nd amendment
 (C) 53rd amendment (D) 44th amendment
20. Arrange the following persons in ascending order of their year of birth :
 Vakkom Abdul Khader Maulavi
 Sree Narayanaguru
 Ayyankali
 Mannath Padmanabhan
 (A) Ayyankali, Sree Narayanaguru, Vakkom Abdul Khader Maulavi, Mannath Padmanabhan
 (B) Sree Narayanaguru, Ayyankali, Vakkom Abdul Khader Maulavi, Mannath Padmanabhan
 (C) Vakkom Abdul Khader Maulavi, Mannath Padmanabhan, Ayyankali, Sree Narayanaguru
 (D) Sree Narayanaguru, Vakkom Abdul Khader Maulavi, Mannath Padmanabhan, Ayyankali.

21. Who is the father of green revolution ?
 (A) Dr. M.S. Swaminathan (B) Norman E Borlaug
 (C) T.H. Morgan (D) Peter De-Cresenji
22. A secondary tillage implement is
 (A) Disc plough (B) Cultivator
 (C) Subsoiler (D) Basin lister
23. Soil Health Card Scheme launched by the Government of India in the year
 (A) 2015 (B) 2012
 (C) 2010 (D) 2006
24. The available form of water to plant is
 (A) Gravitational Water (B) Run away Water
 (C) Capillary Water (D) Hygroscopic Water
25. The component Gable of green house is
 (A) Transparent wall of green house
 (B) Transparent cover of the green house
 (C) Component supporting covering material
 (D) Supporting structure against wind
26. Which one is the type of training ?
 (A) Pinching (B) Heading back
 (C) Disbudding (D) Open centre
27. Rabi crop is
 (A) Bajra (B) Barley
 (C) Jowar (D) Jute
28. Krishi Bhavan in Kerala started in the year
 (A) 1971 (B) 1982
 (C) 1979 (D) 1987
29. Which part of the *Kasthuri manjal* used to medicinal purpose ?
 (A) Tuber (B) Root
 (C) Rhizome (D) Leaves

30. *Cuba* is a variety of
 (A) Rose (B) Orchid
 (C) Jasmine (D) Anthurium
31. An agricultural practice in which same crop is cultivated year after year
 (A) Strip cropping (B) Crop rotation
 (C) Homestead farming (D) Mono cropping
32. An example for making edges
 (A) *Alternanthera* (B) *Hamelia*
 (C) *Acalypha* (D) *Duranta*
33. Name the propagation method most suitable for drumstick :
 (A) Softwood cuttings (B) Hard wood
 (C) Limb cutting (D) Semi hardwood
34. How many nendran banana suckers needed to cultivate one acre area of land ?
 (A) 500 (B) 1000
 (C) 2000 (D) 2500
35. The fungus *cercospora rodmani* is used for
 (A) Bio control of pest (B) Bio control of weeds
 (C) Oil eating fungus (D) Nitrogen fixing fungus
36. Minimum germination percentage of cowpea
 (A) 75 (B) 60
 (C) 70 (D) 80
37. Golden yellow colour tag used to indicate
 (A) Registered Seed (B) Certified Seed
 (C) Foundation Seed (D) Breeder Seed
38. Symbiotic nitrogen fixing biofertilizer is
 (A) *Azotobacter* (B) *Rhizobium*
 (C) *Clostridium* (D) *Klebsiella*
39. The fertilizer potassium chloride contains
 (A) 18% of K_2O (B) 20% of K_2O
 (C) 60% of K_2O (D) 16% of K_2O

40. The element which is critical structural component of chlorophyll
 (A) Iron (B) Magnesium
 (C) Manganese (D) Cobalt
41. Crop suitable for cultivation in alkaline soils
 (A) Cotton (B) Citrus
 (C) Apple (D) Tobacco
42. According to soil texture, the soil particle range 0.02 – 0.2 mm coming under
 (A) Coarse sand (B) Fine sand
 (C) Clay (D) Silt
43. Intensity of sunlight measured by using
 (A) Stevenson's screen (B) Sunshine recorder
 (C) Dry bulb thermometer (D) Lux meter
44. Select the false statement :
 (A) Tobacco is a narcotic crop (B) Agave is a fiber crop
 (C) Diancha is a fodder crop (D) Yam is a tuber crop
45. Study of grasses is called
 (A) Agronomy (B) Horticulture
 (C) Agro-forestry (D) Agrostology
46. Rice bowl of Kerala
 (A) Pattambi (B) Kuttanad
 (C) Kayamkulam (D) Mannuthy
47. Sedges belongs to the family
 (A) Poaceae (B) Liliaceae
 (C) Cyperaceae (D) Asteraceae
48. Which are the following features satisfy the herbicide *Roundup* ?
 (i) Post emergent herbicide
 (ii) Pre emergent herbicide
 (iii) Selective herbicide
 (iv) Non selective herbicide
 (A) (i) and (iv) (B) (ii) and (iii)
 (C) (ii) and (iv) (D) (iv) only

49. An example for wetland weed
(A) Salvinia (B) Emilia
(C) Scoparia (D) Tridax
50. The vector of tungro disease of rice
(A) Aphids (B) White flies
(C) Green Leaf hopper (D) Brown plant hopper
51. Well known species *Eudrillus eugineae* used for
(A) Biocontrol of salvinia (B) Vermicomposting
(C) Apiculture (D) Sericulture
52. Japanese art form using miniature trees grown in containers
(A) Ikebana (B) Moribana
(C) Nageire (D) Bonsai
53. Ananthan is a
(A) short duration variety of rice
(B) short duration variety of oyster mushroom
(C) bacterial wilt resistant variety of brinjal
(D) bacterial wilt resistant variety of chilli
54. The disease KATTE seen in
(A) Cardamom (B) Banana
(C) Rubber (D) Sugarcane
55. An antagonistic bacteria
(A) AMF (B) Trichoderma
(C) Aspergillus (D) Pseudomonas
56. Ingredients involved in chestnut compound
(A) Copper sulphate + Lime
(B) Sodium bicarbonate + Soap
(C) Copper sulphate + Ammonium carbonate
(D) Calcium carbonate + Soap
57. Ministry of Agriculture Govt. of India launched Kissan call centres on
(A) 2004 January 21 (B) 2004 May 1
(C) 2005 January 21 (D) 2005 May 1

A

58. The major pest of coconut Rhinoceros beetle coming under the order
 (A) Lepidoptera (B) Coleoptera
 (C) Hymenoptera (D) Orthoptera
59. Which of the following is registered Society of key Stakeholders for sustainable Agricultural Development in the district ?
 (A) KVK (B) LEADS
 (C) ATMA (D) SAMETI
60. The tetraterpinoid compound obtained from the neem tree
 (A) Rotenone (B) Pyrethrins
 (C) Azadiractin (D) Ryania
61. 'Miche Gollledge' is a
 (A) Rubber tapping knife (B) Rubber Roller
 (C) Rotavator (D) Conoweeder
62. Which one is a contact poison ?
 (A) Phorate (B) Sevin
 (C) Monocrotophos (D) Dimethoate
63. *Green façade* is
 (A) Bonsai (B) Growing medium
 (C) Aquaponics (D) Vertical garden
64. The commonly called white muscardine fungus is
 (A) *Beauveria bassiana* (B) *Bacillus thuringiensis*
 (C) *Metarrhizium anisopliae* (D) *Verticillium lecanii*
65. The type of propagation based on the principle of totipotency
 (A) Hi-Tech farming (B) Precision Farming
 (C) Micropropagation (D) Seed propagation
66. The signal word DANGER on the upper triangle of insecticide label indicate
 (A) Moderately Toxic (B) Highly Toxic
 (C) Slightly Toxic (D) Extremely Toxic

67. How much copper sulphate required for the preparation five litre of 1% BM ?
 (A) 0.5 g (B) 5 g
 (C) 500 g (D) 50 g
68. An ornamental plant suitable for approach grafting
 (A) Thuja (B) Chempaka
 (C) Lawsonia (D) Mango
69. Dried rose petals are called
 (A) Kado (B) Pankhuri
 (C) Potpourri (D) Corsage
70. Quick wilt of pepper is a
 (A) Air borne disease (B) Seed borne disease
 (C) Soil borne disease (D) Water borne disease
71. Select the disease caused by Phytophthora
 (A) Blast of Paddy (B) Wilt of Banana
 (C) Brown spot of Rice (D) Bud rot of Coconut
72. The proper order of steps in tissue culture :
 (A) Callus culture – Sterilization – Incubation – Inoculation – Sub culturing
 (B) Sterilization – Callus culture – Incubation – Inoculation – Sub culturing
 (C) Sterilization – Inoculation – Incubation – Callus culture – Sub culturing
 (D) Sterilization – Sub culturing – Inoculation – Incubation – Callus culture
73. Choose the character which is not applicable to a parasitoid :
 (A) Size is very small compared to host
 (B) Destroy host individual
 (C) Comparatively of same size of host
 (D) Host and parasite of same taxonomic class
74. Which of the following is a floating plant ?
 (A) Vallisneria (B) Nymphaea
 (C) Nelumbo (D) Lemna
75. Nata-De-Coco is the value added product of
 (A) Cocoa (B) Coconut
 (C) Banana (D) Pepper

76. Bavistin is a
 (A) Inorganic fungicide (B) Organic fungicide
 (C) Organic insecticide (D) Inorganic insecticide
77. The chemical not used to prolong the shelf life of cut flowers.
 (A) KCl (B) NaOH
 (C) Aluminium Sulphate (D) Ferric Oxide
78. An example for formal garden
 (A) Mughal garden (B) Lal Bagh garden
 (C) Ootty garden (D) Malampuzha garden
79. Optimum storage temperature of brinjal
 (A) 12 – 13 °C (B) 18 – 21 °C
 (C) 8 – 10 °C (D) 16 – 20 °C
80. IPDM means
 (A) International Programme for Disease Management
 (B) International Programme for Developing and Marketing Agriculture
 (C) Integrated Post cultivation and Disease Maintenance
 (D) Integrated Pest and Disease Management
81. Component of garden which is known as heart of garden
 (A) Pond (B) Rockery
 (C) Lawn (D) Lilly pool
82. Thai Sac brood disease caused by
 (A) Virus (B) Bacteria
 (C) Fungus (D) Protozoa
83. Among the following is not an ingredient of PANCHIAGAVYA :
 (A) Tender coconut water (B) Hand full of top soil
 (C) Jaggery (D) Poovan banana
84. Which one is a Bacillus thuringensis containing biopesticide ?
 (A) Niprot (B) Biopower
 (C) Biocure-B (D) Halt

85. Which of the following are correctly matched :
1. Muscardine-fungus
 2. Pebrine-bacteria
 3. Grasserie-virus
 4. Flacherie-protozoa
- (A) 1 (B) 2 and 4
(C) 1 and 3 (D) 1 and 4
86. Which of the following is not an aim of Good Agricultural Practices ?
- (A) Ensuring safety and quality of produce in the food chain
 - (B) Increase the grain production in India
 - (C) Improving natural resource use
 - (D) Creating new market opportunities for farmers
87. Soilless cultivation is
- (A) Hydroponics
 - (B) Aquaponics
 - (C) Aeroponics
 - (D) All of the above
88. Non-Branching type of tapioca
- (A) Sree visakam
 - (B) H-97
 - (C) H-165
 - (D) H-226
89. *Tectona grandis* is the scientific name of
- (A) Teak
 - (B) Mandaram
 - (C) Mangium
 - (D) Veeti
90. Which of the following is correctly matched :
- (A) Keraganga – WCT × COD
 - (B) Kerasankara – WCT × Gangabondam
 - (C) Kerasree – WCT × MYD
 - (D) Kerasoubhagya – WCT × Lakshadweep ordinary
91. A bacterial wilt resistant chilli variety
- (A) Ujwala
 - (B) Jwalamukhi
 - (C) Jwala
 - (D) Jwalasakhi
92. The seed rate of tomato
- (A) 1 kg/ha
 - (B) 800 g/ha
 - (C) 400 g/ha
 - (D) 1.5 kg/ha

93. General NPK recommendation of pepper g/vine/year is
 (A) 50:50:200 (B) 140:55:275
 (C) 50:50:75 (D) None of these
94. Uzi-fly is the major pest of
 (A) Honey bee (B) Oyster Mushroom
 (C) Silk worm (D) Paddy straw mushroom
95. The duration of Hraswa variety of rice
 (A) 75-80 days (B) 95-100 days
 (C) 105-110 days (D) 110-115 days
96. Benefit of soil solarisation :
 (A) Control of nematodes (B) Control of weeds
 (C) Control of fungal pathogens (D) All of these
97. Cardomom research station located at
 (A) Madakkathara (B) Anakkayam
 (C) Pampadumpara (D) Sreekaryam
98. Which of the following is not a fungal disease ?
 (A) Leaf blight of paddy (B) Sheath blight of paddy
 (C) Brown spot of paddy (D) Blast of paddy
99. Which of the following is not a parasitoid ?
 (A) Trichogramma sp (B) Phytophthora sp
 (C) Goniozus sp (D) Xanthopimpla sp
100. Select the disease not caused by virus :
 (A) Mosaic (B) Tungro
 (C) Bunchy top (D) Citrus canker